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1.319 j2objc-annotations 1.3
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1.331 maven-plugin-api 2.2.1
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1.336 maven-filtering 1.1
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1.338 maven-plugin-registry 2.2.1
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1.340 doxia-sink-api 1.0-alpha-7
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1.350 maven-dependency-tree 2.1

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- 1.361 plexus-container-default 1.5.5**
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1.416 jakarta-regexp 1.4
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- 1.486 apr-util 1.6.1-2**
 - 1.486.1 Available under license
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1.488 dropwizard-core 1.3.2
1.489 drop-wizard-metrics 1.3.2
1.490 libapache2-mod-authnz-external 3.3.2-0.1
1.491 dropwizard-configuration 1.3.2
1.492 kubernetes-model 2.1.1
1.493 dropwizard-util 1.3.2
1.494 dropwizard-servlets 1.3.2
1.495 dropwizard-jersey 1.3.2
1.496 dropwizard-validation 1.3.2
1.497 dropwizard-request-logging 1.3.2
1.498 dropwizard-jackson 1.3.2
1.499 httpcomponents-mime 4.3.2
 1.499.1 Available under license
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1.507 metrics-httpclient 4.0.2
1.508 metrics-jmx 4.0.2
1.509 metrics-jersey2 4.0.2
1.510 metrics-annotation 4.0.2
1.511 metrics-servlets 4.0.2
1.512 metrics-jetty 4.0.2
1.513 pwauth 2.3.11-0.2
1.514 metrics-logback 4.0.2
1.515 lksctp-tools 1.0.17+dfsg-2
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1.524 simpleclient 0.2.0

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1.527 maven-shared-utils 0.3

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1.532 plexus-archiver 2.1

1.533 migbase64 2.2

1.534 google-auth-library-credentials 0.13.0

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 - 1.629.1 Available under license
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- 1.631 dropwizard-request-logging 1.3.5**
- 1.632 simpleclient-hotspot 0.2.0**
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1.3 commons-beanutils 1.8.3

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1.4 slf4j 1.7.5

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1.6 commons-compress 1.9

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1.8 slf4j 1.7.25

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1.11 mime-support 3.60ubuntu1

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1.12 okhttp 3.9.1

1.13 apache-log4j 2.10.0

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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

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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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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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<signature of Ty Coon>, 1 April 1989

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The

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1.20 coreutils 8.28-1ubuntu1

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This is the Debian GNU/Linux packaged version of the GNU core utilities.

This package is maintained by Michael Stone <mstone@debian.org> and built from sources obtained from:

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

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

Changes:

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

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1.21 gzip 1.6-5ubuntu1

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1.22 libgcrypt 1.8.1-4ubuntu1.1

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GNUPG Natural Resources Canada 1998-08-11

Disclaims changes by Matthew Skala.

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cipher/des.c.

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

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LIBGCRYPT Moritz Schulte 2003-04-17

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22

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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

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past and future changes. (new: src/libgrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrnnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09

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

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne,
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- cipher/sha256-avx2-bmi2-amd64.S
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1.23 libunistring 0.9.9-0ubuntu1

1.23.1 Available under license :

Format: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=202>

Upstream-Name: libunistring

Upstream-Contact: Bruno Haible <bruno@clisp.org>

Source: <http://ftp.gnu.org/gnu/libunistring/>

Files: *

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1.24 Isb 9.20170808ubuntu1

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1.25 mawk 1.3.3-17ubuntu3

1.26 sysv-init 2.88dsf-59.10ubuntu1

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

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

The upstream source is available at:

Primary-Site: [ftp.cistron.nl/pub/people/miquels/software](ftp://cistron.nl/pub/people/miquels/software)
92K sysvinit-2.86.tar.gz

Alternate-Site: sunsite.unc.edu/pub/Linux/system/daemons/init

92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

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- * A rewrite of the original Debian's
start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.27 gnutls 3.5.18-1ubuntu1

1.27.1 Available under license :

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lib/accelerated/x86/elf/aes-ssse3-x86.s
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lib/system/inet_pton.c

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Comment: This code is not used on Debian/*, since we have a working vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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doc/examples/tlsproxy/

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tests/pkcs11/pkcs11-mock.*

Author: Jaroslav Imrich <jimrich@jimrich.sk>

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lib/unistring/*

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1.31 httpcomponents-client 4.5.3

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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:javac.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javac.mail.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

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.

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1.35 alsa 1.1.3-5ubuntu0.2

1.36 apt 1.6.11

1.37 lz4 0.0~r131-2ubuntu3

1.37.1 Available under license :

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

Upstream-Name: lz4

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

Files: lib/*

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Files: programs/*

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Files: ./examples/printVersion.c

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Files: ./examples/blockStreaming_lineByLine.c

./examples/blockStreaming_doubleBuffer.c:

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Files: ./examples/HCStreaming_ringBuffer.c
./examples/blockStreaming_ringBuffer.c

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1.38 openssl 1.1.1-1ubuntu2.1~18.04.4

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1.39 slf4j 1.7.28

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Found in path(s):

```
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
```

```

jar/org/slf4j/helpers/NOPMDCAdapter.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/IMarkerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/FormattingTuple.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/BasicMDCAdapter.java
*
/opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/SubstituteLoggerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/helpers/Util.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/MarkerIgnoringBase.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/LoggerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/spi/MarkerFactoryBinder.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/NOPLoggerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/SubstituteLogger.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/impl/StaticMDCBinder.java
*
/opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/Logger.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/MarkerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/BasicMarkerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/helpers/BasicMarker.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/Marker.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/MDC.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/ILoggerFactory.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-jar/org/slf4j/helpers/NOPLogger.java
*
/opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/211276241_1646171445.23/0/slf4j-api-1-7-28-sources-
jar/org/slf4j/helpers/NamedLoggerBase.java

```

1.40 reflections 0.9.11

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Found in path(s):

* /opt/cola/permits/1000000666_1646171445.29/0/reflections-0-9-11-sources-jar/META-

INF/maven/org.reflections/reflections/pom.xml

1.41 okio 1.13.0

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Pipe.java

* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/HashingSource.java

* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/HashingSink.java

* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Options.java

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Util.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Buffer.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Segment.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ForwardingSource.java
*
/opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/RealBufferedSource.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Timeout.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Sink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/SegmentPool.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/GzipSink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/DeflaterSink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Okio.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/AsyncTimeout.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/BufferedSource.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/InflaterSource.java
*
/opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/BufferedSink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Source.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/RealBufferedSink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ForwardingSink.java
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/GzipSource.java

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ByteString.java
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```
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ForwardingTimeout.java
```

```
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/SegmentedByteString.java
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```
*/opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Base64.java
```

1.42 resourcelocator 1.0.1

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

1.43 classmate 1.3.4

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

Other developers who have contributed code are:

* Brian Langel

1.44 opentracing-noop 0.31.0

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* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopTracer.java
* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopSpan.java
* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopSpanContext.java
*
/opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopSpanBuilder.java
* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopScopeManager.java
* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/io/opentracing/noop/NoopTracerFactory.java
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* /opt/cola/permits/1000002513_1646171449.18/0/opentracing-noop-0-31-0-sources-jar/META-INF/maven/io.opentracing/opentracing-noop/pom.xml

1.45 alpn-api 1.1.3.v20160715

1.46 automation 1.11-8

1.47 libxext 1.3.3-1

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1.48 libogg 1.3.2-1

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1.49 libxau 1.0.8-1

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1.50 apparmor 2.12-4ubuntu5.1

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must
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1.53 enum34 1.1.6-2

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1.54 debianutils 4.8.4

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1.55 findutils 4.6.0+git+20170828-2

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Version 3, 29 June 2007

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@c Local Variables:  
@c ispell-local-pdict: "ispell-dict"  
@c End:
```

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1.57 e2fsprogs 1.44.1-1ubuntu1.1

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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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```
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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```
#  
# This is a Makefile stub which handles the creation of BSD shared  
# libraries.  
#  
# In order to use this stub, the following makefile variables must be defined.  
#  
# BSDLIB_VERSION = 1.0  
# BSDLIB_IMAGE = libce  
# BSDLIB_MYDIR = et  
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)  
#
```

```
all:: image
```

```
real-subdirs:: Makefile  
@echo " MKDIR pic"  
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)  
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)  
(cd pic; ld -Bshareable -o $(BSD_LIB) $(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 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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Theodore Ts'o
23-June-2007

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```
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```

```
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```

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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

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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 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

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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.58 geo-ip 1.6.12-1

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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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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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1.66 patch 2.7.6-2ubuntu1

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1.69 libffi 3.2.1-8

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1.70 mpdecimal 2.4.2-1ubuntu1

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1.71 libyaml 0.1.7-2ubuntu3

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Upstream-Name: LibYAML

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

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

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1.72 libassuan 2.5.1-2

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Other developers who have contributed code are:

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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.

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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

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In

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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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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.

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

```
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```

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```
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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
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mouse-clicks or menu items--whatever suits your program.

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

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

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

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1.89 harfbuzz 1.7.2-1ubuntu1

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1.90 libasyncns 0.8-6

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To apply these terms, attach the following notices to the library.

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

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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!

1.91 libcroco 0.6.12-2

1.91.1 Available under license :

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Version 2, June 1991

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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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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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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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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,

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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.

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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 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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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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Ty Coon, President of Vice

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1.92 libthai 0.1.27-2

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Version 2.1, February 1999

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

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.

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

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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!

1.93 libpcap 1.8.1-6ubuntu1

1.93.1 Available under license :

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1.94 libxcb 1.13-2~ubuntu18.04

1.94.1 Available under license :

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1.95 libxfixes 5.0.3-1

1.95.1 Available under license :

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

```
--- libxfixes-5.0.3.orig/.gitignore
+++ libxfixes-5.0.3/.gitignore
@@ -0,0 +1,78 @@
+#
+# X.Org module default exclusion patterns
+# The next section if for module specific patterns
+#
+# Do not edit the following section
+# GNU Build System (Autotools)
+aclocal.m4
+autom4te.cache/
+autoscan.log
+ChangeLog
+compile
+config.guess
+config.h
+config.h.in
+config.log
+config.ml.in
+config.py
+config.status
+config.status.lineno
+config.sub
+configure
+configure.scan
+depcomp
+.deps/
+INSTALL
+install-sh
+.libs/
+libtool
+libtool.m4
+ltmain.sh
+lt~obsolete.m4
+ltoptions.m4
+ltsugar.m4
+ltversion.m4
+Makefile
+Makefile.in
+mdate-sh
+missing
+mknstalldirs
```



```
+*.pc
+py-compile
+stamp-h?
+symlink-tree
+texinfo.tex
+ylwrap
+
+# Do not edit the following section
+# Edit Compile Debug Document Distribute
+*~
+*.[0-9]
+*.[0-9]x
+*.bak
+*.bin
+core
+*.dll
+*.exe
+*-ISO*.bdf
+*-JIS*.bdf
+*-KOI8*.bdf
+*.kld
+*.ko
+*.ko.cmd
+*.lai
+*.l[oa]
+*.[oa]
+*.obj
+*.patch
+*.so
+*.pcf.gz
+*.pdb
+*.tar.bz2
+*.tar.gz
+#
+# Add
& Override patterns for libXfixes
+#
+# Edit the following section as needed
+# For example, !report.pc overrides *.pc. See 'man gitignore'
+#
--- libxfixes-5.0.3.orig/autogen.sh
+++ libxfixes-5.0.3/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
```

```

+ORIGDIR=`pwd`
+cd $srkdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srkdir/configure "$@"
+fi
--- libxfixes-5.0.3.orig/debian/README.source
+++ libxfixes-5.0.3/debian/README.source
@@ -0,0 +1,49 @@
+-----
+Quick Guide To Patching This Package For The Impatient
+-----
+
+1. Make sure you have quilt installed
+2. Unpack the package as usual with "dpkg-source -x"
+3. Run the "patch" target in debian/rules
+4. Create a new patch with "quilt new" (see quilt(1))
+5.
+   Edit all the files you want to include in the patch with "quilt edit"
+   (see quilt(1)).
+6. Write the patch with "quilt refresh" (see quilt(1))
+7. Run the "clean" target in debian/rules
+
+Alternatively, instead of using quilt directly, you can drop the patch in to
+debian/patches and add the name of the patch to debian/patches/series.
+
+-----
+Guide To The X Strike Force Packages
+-----
+
+The X Strike Force team maintains X packages in git repositories on
+git.debian.org in the pkg-xorg subdirectory. Most upstream packages
+are actually maintained in git repositories as well, so they often
+just need to be pulled into git.debian.org in a "upstream-*" branch.
+Otherwise, the upstream sources are manually installed in the Debian
+git repository.
+
+The .orig.tar.gz upstream source file could be generated using this
+"upstream-*" branch in the Debian git repository but it is actually
+copied from upstream tarballs
+directly.
+
+Due to X.org being highly modular, packaging all X.org applications
+as their own independent packages would have created too many Debian
+packages. For this reason, some X.org applications have been grouped

```

+into larger packages: xutils, xutils-dev, x11-apps, x11-session-utils,
+x11-utils, x11-xfstools, x11-xkb-utils, x11-xserver-utils.
+Most packages, including the X.org server itself and all libraries
+and drivers are, however maintained independently.
+
+The Debian packaging is added by creating the "debian-*" git branch
+which contains the aforementioned "upstream-*" branch plus the debian/
+repository files.
+When a patch has to be applied to the Debian package, two solutions
+are involved:
+* If the patch is available in one of the upstream branches, it
+ may be git'cherry-picked into the Debian repository. In this
+ case, it appears directly in the .diff.gz.
+* Otherwise, the patch is added to debian/patches/ which is managed
+ with quilt as documented in
+ /usr/share/doc/quilt/README.source.
--- libxfixes-5.0.3.orig/debian/changelog
+++ libxfixes-5.0.3/debian/changelog
@@ -0,0 +1,281 @@
+libxfixes (1:5.0.3-1) unstable; urgency=medium
+
+ [Andreas Boll]
+ * New upstream release.
+ - Fixes CVE-2016-7944 (Closes: #840442).
+ * Update d/upstream/signing-key.asc with Matthieu Herrb's key.
+ * Fix Vcs-* URLs.
+ * Update a bunch of URLs in packaging to https.
+
+ [Emilio Pozuelo Monfort]
+ * Bump debhelper compat to 10.
+ + dh-autoreconf is now enabled by default.
+ + --disable-silent-rules is passed to configure automatically.
+
+ -- Emilio Pozuelo Monfort <pochu@debian.org> Mon, 05 Dec 2016 19:17:34 +0100
+
+libxfixes (1:5.0.2-1) sid; urgency=medium
+
+ * Team upload.
+ * New upstream release.
+ * Let uscan verify tarball signatures.
+ * Bump libx11-dev build-dep to 2:1.6 per configure.ac.
+ * Remove Drew and Cyril from Uploaders.
+ * Use https for Vcs-* control fields.
+ * Bump Standards-Version to 3.9.8.
+ * Migrate
+ to automatic dbgsym package.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 26 Jun 2016 21:10:20 +0200

+
+libxfixes (1:5.0.1-2) sid; urgency=low
+
+ * Mark libxfixes-dev as Multi-arch: same (closes: #677657).
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 12 Jul 2014 17:26:54 +0200
+
+libxfixes (1:5.0.1-1) sid; urgency=low
+
+ * New upstream release.
+ * Remove useless dh_auto_install override. debian/tmp is the default destdir
+ since we have more than one deb.
+ * Bump debhelper build-dep to 9 (to match compat).
+ * Disable silent build rules.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 30 Jun 2013 14:34:26 +0200
+
+libxfixes (1:5.0-4+deb7u1) wheezy-security; urgency=high
+
+ * integer overflow in XFixesGetCursorImage() [CVE-2013-1983]
+
+ -- Julien Cristau <jcristau@debian.org> Tue, 14 May 2013 10:12:48 +0200
+
+libxfixes (1:5.0-4) unstable; urgency=low
+
+ * Team upload.
+ * Don't include debug symbols for the udeb in libxfixes3-dbg.
+
+ -- Julien Cristau
<jcristau@debian.org> Sun, 12 Jun 2011 00:16:17 +0200
+
+libxfixes (1:5.0-3) unstable; urgency=low
+
+ * Team upload.
+
+ [Steve Langasek]
+ * Build for multiarch.
+
+ [Julien Cristau]
+ * Bump Standards-Version to 3.9.2.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 11 Jun 2011 16:01:20 +0200
+
+libxfixes (1:5.0-2) unstable; urgency=low
+
+ [Julien Cristau]
+ * libxfixes3.symbols: no need to use a version for symbols that are there
+ forever (or close enough).

+ * Upload to unstable.

+
+ [Cyril Brulebois]

+ * Remove automake and libtool build-dep, they're pulled in by
+ dh-autoreconf.

+
+ -- Julien Cristau <jcristau@debian.org> Fri, 29 Apr 2011 22:48:31 +0200

+
+libxfixes (1:5.0-1) experimental; urgency=low

+
+ * New upstream release:

+ - Pointer barriers.

+ * Bump x11proto-fixes-dev build-dep accordingly.

+ * Bump x11proto-fixes-dev dependency for libxfixes3-dev.

+ * Wrap Depends fields.

+ * Add debian/libxfixes3.symbols file.

+ * Pass -c4 to
dh_makeshlibs to ensure updates are noticed.

+ * Update symbols file, and bump shlibs for new symbols:

+ - XFixesCreatePointerBarrier

+ - XFixesDestroyPointerBarrier

+ * Install manpages through dh_install.

+ * Use --fail-missing instead of --list-missing in dh_install for
+ additional safety.

+ * Switch to dh:

+ - Use debhelper 8.

+ - Use dh-autoreconf.

+ * Remove xsfbs accordingly.

+ * Update Uploaders list. Thanks, David!

+ * Add a placeholder series file.

+ * Bump Standards-Version to 3.9.1 (no changes needed).

+
+ -- Cyril Brulebois <kibi@debian.org> Wed, 09 Mar 2011 00:02:42 +0100

+
+libxfixes (1:4.0.5-1) unstable; urgency=low

+
+ * New upstream release.

+ * Bump xutils-dev build-dep for xorg-macros 1.8.

+ * Update debian/copyright from upstream COPYING.

+ * Bump Standards-Version to 3.9.0.

+
+ -- Julien Cristau <jcristau@debian.org> Sun, 11 Jul 2010 15:02:30 +0100

+
+libxfixes (1:4.0.4-2) unstable; urgency=low

+
+ [Julien Cristau]

+ * Rename the

build directory to not include DEB_BUILD_GNU_TYPE for no
+ good reason. Thanks, Colin Watson!
+
+ [Brice Goglin]
+ * Remove Jamey Sharp and Josh Triplett from Uploaders, closes: #568278.
+
+ [Cyril Brulebois]
+ * Use dh_makeshlibs -V argument instead of debian/libxfixes3.shlibs
+ * Add udeb needed for the graphical installer: libxfixes3-udeb.
+ * Bump the B-D on libx11-dev to ensure libxfixes3-udeb gets a dependency
+ on libx11-6-udeb.
+ * Bump Standards-Version from 3.8.3 to 3.8.4 (no changes needed).
+ * Add myself to Uploaders.
+
+ -- Cyril Brulebois <kibi@debian.org> Thu, 11 Mar 2010 04:56:27 +0100
+
+libxfixes (1:4.0.4-1) unstable; urgency=low
+
+ [Julien Cristau]
+ * Remove Branden and Fabio from Uploaders with their permission.
+ * Don't build-depend on packages with a -1 debian revision.
+ * Drop the XS- prefix from the Vcs-* control fields.
+ * Remove x11-common (pre-)dependency from libxfixes3 and libxfixes3-dbg, as
+ it shouldn't be needed.
+
+ * Use \${binary:Version} instead of the equivalent but confusingly-named
+ \${Source-Version} in debian/control.
+ * Bump Standards-Version to 3.8.3.
+
+ [Brice Goglin]
+ * Add upstream URL to debian/copyright.
+ * Drop CVS header from debian/copyright.
+ * Add a link to www.X.org in the long description.
+ * Install the upstream ChangeLog.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538584.
+ * Move -dbg package to section debug.
+
+ [Timo Aaltonen]
+ * New upstream release (closes: #556000).
+ * Run autoreconf on build. Add build-deps on automake, libtool
+ and xutils-dev.
+ * Parse space-separated DEB_BUILD_OPTIONS, and handle parallel=N.
+ * Drop pre-dependency on x11-common from libxfixes-dev. This was needed
+ for upgrades from sarge.
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 18:36:48 +0100
+

+libxfixes (1:4.0.3-2) unstable; urgency=low
+
+ * Add XS-Vcs-Browser.
+ * Upload to unstable.
+
+
-- Julien Cristau <jcristau@debian.org> Wed, 11 Apr 2007 14:58:20 +0200
+
+libxfixes (1:4.0.3-1) experimental; urgency=low
+
+ * Adjust Section values to what the override says.
+ * Update location of upstream repository from CVS to git in the long
+ descriptions.
+ * New upstream release:
+ + Drop all patches, applied upstream.
+ * Add XS-Vcs-Git header in debian/control.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 16 Feb 2007 16:14:49 +0100
+
+libxfixes (1:4.0.1-5) unstable; urgency=low
+
+ * libXfixes: Unlocks the Display without having it locked (Closes:
+ #400446)
+ * Add Josh and myself to Uploaders.
+
+ -- Jamey Sharp <sharpone@debian.org> Mon, 27 Nov 2006 15:19:42 -0800
+
+libxfixes (1:4.0.1-4) unstable; urgency=low
+
+ [Drew Parsons]
+ * Bring xfixes 4 into unstable (X11R7.1 transition).
+ * dbg package has priority extra.
+
+ [David Nusinow]
+ * Add O1_include_xlib.h.diff. Xfixes.h relies on the "Bool" define from
+ X11/Xlib.h but did not
+ include that header (directly or indirectly)
+ (closes: #372756)
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 18 Sep 2006 18:09:51 -0400
+
+libxfixes (1:4.0.1-3) experimental; urgency=low
+
+ * Add shlibs file due to soversion bump (3.0.0 -> 3.1.0)
+
+ -- David Nusinow <dnusinow@debian.org> Wed, 16 Aug 2006 20:22:46 +0000
+
+libxfixes (1:4.0.1-2) experimental; urgency=low

+
+ * Added versioned depends on x11proto-fixes-dev (>= 4.0-1).
+ Closes: #375124.
+ * Use dh_installman to install man pages.
+
+ -- Drew Parsons <dparsons@debian.org> Mon, 14 Aug 2006 18:03:48 +1000
+
+libxfixes (1:4.0.1-1) experimental; urgency=low
+
+ * New upstream version.
+ * Standards version 3.7.2.
+ * Uses debhelper v5.
+
+ -- Drew Parsons <dparsons@debian.org> Thu, 27 Jul 2006 23:49:26 +1000
+
+libxfixes (1:3.0.1.2-5) UNRELEASED; urgency=low
+
+ * Test for obj-\$(DEB_BUILD_GNU_TYPE) before creating it during build;
+ idempotency fix.
+ * Run dh_install w/ --list-missing.
+
+ -- Andres
Salomon <dilinger@debian.org> Mon, 17 Jul 2006 01:20:55 -0400
+
+libxfixes (1:3.0.1.2-4) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+ properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:58 -0400
+
+libxfixes (1:3.0.1.2-3) unstable; urgency=low
+
+ * Remove x11-common depends from libxfixes-dev. Only use pre-depends. Thanks
+ Steve Langasek.
+ * Move x11-common depends to versioned pre-depends for libxfixes3.
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 13 Apr 2006 23:08:01 -0400
+
+libxfixes (1:3.0.1.2-2) unstable; urgency=low
+
+ * Upload to unstable
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:37 -0500
+
+libxfixes (1:3.0.1.2-1) experimental; urgency=low
+
+ * First upload to Debian


```
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:51:40 -0500
+
+libxfixes (1:3.0.0-3) breezy; urgency=low
+
+ * Actually bump the Build-Depends
  this time.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:52:21 +1000
+
+libxfixes (1:3.0.0-2) breezy; urgency=low
+
+ * Bump Build-Depends on libx11-dev to one which avoids the whole nasty
+  _XOPEN_SOURCE mess.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Fri, 22 Jul 2005 23:38:02 +1000
+
+libxfixes (1:3.0.0-1) breezy; urgency=low
+
+ * First libxfixes release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
--- libxfixes-5.0.3.orig/debian/compat
+++ libxfixes-5.0.3/debian/compat
@@ -0,0 +1 @@
+10
--- libxfixes-5.0.3.orig/debian/control
+++ libxfixes-5.0.3/debian/control
@@ -0,0 +1,69 @@
+Source: libxfixes
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 10),
+ libx11-dev (>= 2:1.6),
+ x11proto-fixes-dev (>= 1:5.0),
+ pkg-config,
+ quilt,
+ xutils-dev (>= 1:7.5+4),
+Standards-Version: 3.9.8
+Vcs-Git: https://anonscm.debian.org/git/pkg-xorg/lib/libxfixes.git
+Vcs-Browser:
  https://anonscm.debian.org/cgit/pkg-xorg/lib/libxfixes.git
+
+Package: libxfixes3
+Section: libs
+Architecture: any
```

+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},
+Pre-Depends: \${misc:Pre-Depends}
+Multi-Arch: same
+Description: X11 miscellaneous 'fixes' extension library
+ libXfixes provides an X Window System client interface to the 'XFIXES'
+ extension to the X protocol.
+ .
+ It provides support for Region types, and some cursor functions.
+ .
+ More information about X.Org can be found at:
+ <URL:https://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXfixes
+
+Package: libxfixes3-udeb
+XC-Package-Type: udeb
+Section: debian-installer
+Architecture: any
+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},
+Description: X11 miscellaneous 'fixes' extension library
+ This is a udeb, or a microdeb, for the debian-installer.
+
+Package: libxfixes-dev
+Section: libdevel
+Architecture: any
+Multi-arch: same
+Depends:
+
+ \${shlibs:Depends},
+ \${misc:Depends},
+ libxfixes3 (= \${binary:Version}),
+ libx11-dev,
+ x11proto-fixes-dev (>= 1:5.0-1),
+Description: X11 miscellaneous 'fixes' extension library (development headers)
+ libXfixes provides an X Window System client interface to the 'XFIXES'
+ extension to the X protocol.
+ .
+ It provides support for Region types, and some cursor functions.
+ .
+ This package contains the development headers for the library found in
+ libxfixes3. Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:

+ <URL:https://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXfixes
--- libxfixes-5.0.3.orig/debian/copyright
+++ libxfixes-5.0.3/debian/copyright
@@ -0,0 +1,44 @@
+This package was downloaded from
+https://xorg.freedesktop.org/releases/individual/lib/
+
+
+Copyright 2001,2003 Keith Packard
+
+Permission to use, copy, modify, distribute, and sell this software
and its
+documentation for any purpose is hereby granted without fee, provided that
+the above copyright notice appear in all copies and that both that
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+LIABILITY,
WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
+FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
+DEALINGS IN THE SOFTWARE.

```

--- libxfixes-5.0.3.orig/debian/libxfixes-dev.install
+++ libxfixes-5.0.3/debian/libxfixes-dev.install
@@ -0,0 +1,5 @@
+usr/include/X11/*
+usr/lib*/libXfixes.a
+usr/lib*/libXfixes.so
+usr/lib*/pkgconfig/xfixes.pc
+usr/share/man/man3/*
--- libxfixes-5.0.3.orig/debian/libxfixes3-udeb.install
+++ libxfixes-5.0.3/debian/libxfixes3-udeb.install
@@ -0,0 +1 @@
+usr/lib*/libXfixes.so.3* usr/lib
--- libxfixes-5.0.3.orig/debian/libxfixes3.install
+++ libxfixes-5.0.3/debian/libxfixes3.install
@@ -0,0 +1 @@
+usr/lib*/libXfixes.so.3*
--- libxfixes-5.0.3.orig/debian/libxfixes3.symbols
+++ libxfixes-5.0.3/debian/libxfixes3.symbols
@@ -0,0 +1,39 @@
+libXfixes.so.3 libxfixes3 #MINVER#
+ XFixesChangeCursor@Base 0
+ XFixesChangeCursorByName@Base 0
+ XFixesChangeSaveSet@Base 0
+ XFixesCopyRegion@Base 0
+ XFixesCreatePointerBarrier@Base 1:5.0
+
+ XFixesCreateRegion@Base 0
+ XFixesCreateRegionFromBitmap@Base 0
+ XFixesCreateRegionFromGC@Base 0
+ XFixesCreateRegionFromPicture@Base 0
+ XFixesCreateRegionFromWindow@Base 0
+ XFixesDestroyPointerBarrier@Base 1:5.0
+ XFixesDestroyRegion@Base 0
+ XFixesExpandRegion@Base 0
+ XFixesExtensionInfo@Base 0
+ XFixesExtensionName@Base 0
+ XFixesFetchRegion@Base 0
+ XFixesFetchRegionAndBounds@Base 0
+ XFixesFindDisplay@Base 0
+ XFixesGetCursorImage@Base 0
+ XFixesGetCursorName@Base 0
+ XFixesHideCursor@Base 1:4.0.1

```

```

+ XFixesIntersectRegion@Base 0
+ XFixesInvertRegion@Base 0
+ XFixesQueryExtension@Base 0
+ XFixesQueryVersion@Base 0
+ XFixesRegionExtents@Base 0
+ XFixesSelectCursorInput@Base 0
+ XFixesSelectSelectionInput@Base 0
+ XFixesSetCursorName@Base 0
+ XFixesSetGCClipRegion@Base 0
+ XFixesSetPictureClipRegion@Base 0
+ XFixesSetRegion@Base 0
+ XFixesSetWindowShapeRegion@Base 0
+ XFixesShowCursor@Base 1:4.0.1
+ XFixesSubtractRegion@Base 0
+ XFixesTranslateRegion@Base 0
+ XFixesUnionRegion@Base
0
+ XFixesVersion@Base 0
--- libxfixes-5.0.3.orig/debian/patches/series
+++ libxfixes-5.0.3/debian/patches/series
@@ -0,0 +1 @@
+# placeholder
--- libxfixes-5.0.3.orig/debian/rules
+++ libxfixes-5.0.3/debian/rules
@@ -0,0 +1,21 @@
+#!/usr/bin/make -f
+
+PACKAGE = libxfixes3
+SHLIBS = 1:5.0
+
+# Kill *.la files, and forget no-one:
+override_dh_install:
+ find debian/tmp -name '*.la' -delete
+ dh_install --fail-missing
+
+# Debug package:
+override_dh_strip:
+ dh_strip -p$(PACKAGE) --dbgsym-migration='$(PACKAGE)-dbg (<< 1:5.0.2)'
+ dh_strip -N$(PACKAGE)
+
+# Shlibs:
+override_dh_makeshlibs:
+ dh_makeshlibs -V"$(PACKAGE) (>= $(SHLIBS))" --add-udeb=$(PACKAGE)-udeb -- -c4
+
+%:
+ dh $@ --with quilt --builddirectory=build/
--- libxfixes-5.0.3.orig/debian/upstream/signing-key.asc
+++ libxfixes-5.0.3/debian/upstream/signing-key.asc

```

@@ -0,0 +1,166 @@
-----BEGIN PGP PUBLIC KEY BLOCK-----
+Version: GnuPG v2
+
+mQINBE6HVy4BEADACp0EU6HZ4KyFz/qfhzNarCfnlyEoCFY08k516UaHrUOrYWpP
+ukoahcceA/M3H/xM0CGIn6uiuG/Cq7+qODAZNBsr6haIbDaqSUt+953b5qCSbD65
+LBR8TXvW+9KkXPhXTKi/osYBdmsbFLeVLqU5Kd4QJqWKRLtuo0ENbFkQPvypEJk8
+Ozg2zZ2yeSQAy0pgeFh8lezI7A23yj229kFq0EEfeqHpgifIzR2hNlhS5pTSOt8V
+RDapO3FpOmxPPUMsaJ1KATD92+SgbZW8evW7ffz4QUiQiFsfTSOTCaTFu8qpu6Fb
+a9u/u6mTrJQGRdqDcFp3iWjEUOvR0gUdLrSr3zey152PBRaC26/eLqH8PFgCerBkn
+o9vso0Vr+Kh63OOQeDHATZGy7tMHbWW5AEXVktPnoSRYr48pd6u9Z1TfWVcovNAZ
+tWiFVKKxniTa4MZY2czOSyh2YahCbEt3P0DoNihy3YHhTvW1k0Os2x5yCsfpGzp3
+U8x1apfQqAyRNia9SptLpQ7xF+lv52D9kp3XdkWXw1BFY+nmM/FqoC4tKU8AmbuB
+n3SX/sYjq3Z6aLoBOMZ849G0Zp1xEYHCbfWBxvqhIc6dlPc3Y9uYV01+FITzX9Mh
+THa8p6oABrXbWRJpkOvaVbdDhXON+02Jlvawy3T3rwVkuEfeZu8akv7miwARAQAB
+tCBNXYXR0IFR1cm5lciA8bWF0dHN0ODhAZ21haWwY29tPokCQQQTAQIAKwIbAwYL
+CQgHAwIGFQgCCQoLBBYCAwECHgECF4ACGQEFAlQAmskFCQsc3hsACgkQD91oLZdM
+pyo5Jw//QaWhsC9TWUGTLO4Qc/5B6GYeeZxU/G8GWHz0e09/rtLZd0KqTLwXv/CT
+njhq49wIscgbz/2ahxCsSbyhTs0wiAtZeDQ5w3D3VTjni8rIqXEXXPOHIAM1JqpK
+IoaSY2VVKo/ZjDH2CfZMd7h86MeE911socrTcKFI71YvofdLRA0W0nJPYf/ISc6B
+tblAAs0aHfBUZpxXYoZpdZzE1sXPxO8hbyyhmToBAtpTfj4hrSratI7GXEGQoPHe
+5+gBQ7Wvt+0p7kvN30OwEIlBzWF0BHbaznfdZkwfpILbcxyAUUVJFo0YcOCCes4Kj
+C0aFW2mjTebst6S3IEstkKISW6VQuDpCC3YokXJshqWg0Wyt6kVEYWUUEZVilmmY
+xq55a2IhA6+4RZEs/7Lrb329YJDEytcBq+KoauAFmeHWDYidbXBFga2MzVdNWBH9
+R0cY/DXExuutZjigrV62GQ5hyHab8iRvO3nsqy32B0XqXY13p1Kr08290HTBFx5c
+rJ1vvVAJpMfsERmLhdcdkxIsXX0cdsFA+rCvBQ6o7an0AQRQe43vikM2M5w7mA
+MtZuJ3jyGymVXvimaS15Sr3ZmQxJt9xknkhM+spDCT/4xQpiA2ET//b9jpKviS1V
+nyKRc1wMiUwXFn1PUMhfn31YsAU5prHDDi1aMm3q3yP/6zUmw/+0IU1hdHQgVHVy
+bmVyIDxtYXR0c3Q4OEBnZW50b28ub3JnPokCPgQTAQIAKAIbAwYLCQgHAwIGFQgC
+CQoLBBYCAwECHgECF4AFAlQAms0FCQsc3hsACgkQD91oLZdMpyqh2Q/+Nj0yek3s
+zbawJMVP2RQ6VS404ofePwPHophrujwe3cTWAkqEs+CfjCIVlvk96KGkPTvaXOOU
+8F7csRn/bXQW7HKrVae/FqAApJU9S9hV5oHc3qeJijrPhcBB9PWA34k7MRxFF1R
+qW9f/5jWaoZcojjY8s01yU83xur7/aBb8pSVCYjTPYEm4DzrXOrYD/jSHxCpbQV
+SlumhWL4OV7KtPmMl6sMvDAdY+9yflc3q82DlyOs+/dVcsQTyTSPZAZTJw9/3keU
+S1PcbP4+qEDCDIEsb+N0ze2AK41upk5hS56I19pCLgKc7F0yakhmfc0S3dXqWfIZ
+yVtiLYu1WmeRGx/XEJLk6XeHHkvQyq4nQMLQ/jgfvY20ktyr6e5xUul8Wc07e8bP
+D4b45hMP3VjBwNnnaX1VluxLemUZjShXb+Ptz5B9MfWiDWOUZepLE4QmRflc40qf
+S6dj4fUp3FrexpYAE+IWNA+lwqgUXOPHMU8pcsNr/1XtdzhE77pAhS1vO1j5dKhc
+h5pLJFtYgZmi50SfNm6mZs20966JPKmYG0iSrbIMFEM0b6krUFP9SYIb+BalbVXd
+zNkT8Y74iaHMF9ZU5rIGMjzCmMQF/n58oCJonGD0DEK9nTeg8pPuL7ToqdY3Uy0w
+K9I6IYUOJvM91xvABoi3IwJKF+JL3jNCCmG0I01hdHQgVHVybmVyIDxtYXR0LnR1
+cm5lckBpbmRlbc5jb20+iQI/BBMBAgApAhsDBwJCAcDAgEGFQgCCQoLBBYCAwEC
+HgECF4AFAlQAms0FCQsc3hsACgkQD91oLZdMpyrSrg//TJ/M96mP8YUqpYRyEn25
+lrdSwkUBEX6nrBUJTQZFNu3zYRWzYPB3ar89EQ19URy7d3ire0BJhn59ynI9n1MP
+Iu8QbqXe9aBvbXDe/Aq3gaUz4HHTT//Hy0EZtiLitvIPpnR+Z+Oe4RiaV4zaQaf
+JVWZkFhS42q7r1IxSX49Amp87c9F2CUhmWln5eLz9UPB+oiSm+aeK1IH06qNj9Wi
+weRNwMwaAjuhTlj5VMe9pNmWnNKZbHjrNfFcUF7dTdq/k3IsS4udTi+ji/lbFY
+/Hll6xL+WoS+VGFMuPLp5mxIuVpfZlIHZnF7h3mzuaKFO7Uek2CKCKgS53RiU0PC

+g3MBRyV2M8mDxw48kCLHWXolkZUZNVSAlybU9Yc0g+TfeQ2Sgd2bGbK3FB6xYqzG
+XglzjVmNTVUTOCCMTbwwkJnCEny9Dv2i345Bfh+y+XUA5IXt2cMyTl5ttg+p3R9j
+rJZGn2o0vpmnzDUoVuCjknq1Z+/12w3bbTiyxZ4NNtIhPC7Zp8PtRiOfFe4o9qH
+c8HAZc3hPO/Zz/pbHbwIFCbTGC7GdDwMBiizrmRVMc5WcYDhG1yLFiQ4gU7GwOcK
+wpp762SIU1mMrzUFmkIU0Nh6KN+VxUIUSbrM9Zak+bfUL8peAqiRAqXnBV+uwl/2
+euSV7yOzIGrEhz3t7/CjxxO0Jk1hdHQgVHVybmVyIDxtYXR0c3Q4OEBmcmVIZGVz
+a3RvcC5vcmc+iQI/BBMBAgApAhsDBwsJCAcDAgEGFQgCCQoLBBYCAwECHgECF4AF
+AlQAms0FCQsc3hsACgkQD91oLZdMpyrR3xAAMHaXoxVfZh9gGHE5A+5pilbPIAUu
+O1d/G6M0FhcrnxLhSjc8pQaLHNXPtLSBkmWpXzP0ICAeT0pXCE2xF3CtvqUSMnjxK
+nfc2At2+HwYFuCNPHswN8n4rnyxt/b2CElxQXb+88uf3tD2IVW6iirxJWtDxs69
+ta4iX15GBmZ48CnauEzN2i4s91jhmMwJzVMCHOUJeCKEBrmM6ohIxyeUBHpZbFer
+EPTv60pV3G8+/wBAN0W2boHot9hx+K46DNFyENNYGG1rmtPs4t39Gb5Jqummtj0t
+uYs7gav2pJxbWVcDKosyzmqBSCuVS7GtWSp9FJfVrEjF5aP5PhFZsrUgL0xuaED
+yELHtkwuX6fvFbf3HGdGyKWih9DpOKLrmuu9Vn0jF9SzwM/gbVM1pB68zH7r5o
+wV+Xk40p2a3SRjRAYGPaEQ7BNeLttbuwvdxmcyMh2OIZU+CJN3eClhdgaOaXF5P5
+3tZPjWENPunW6ewT0kfMS035ampOx83HEuh8LK8rhrWALsSLb1iMNAchDq0ugpDp
+kl2Gm2doXQzkU85h/BhyW6BVjRRKJ0sFtdSes6rZ2rbFhY8fHCPBIJ/UWf7M3zRz
+ICG/xGalxDNigkxbOHLQN/v3/huU/8jN3bqzjLcKIUs7JAv9PiId/9ZUtGS1QG1v
+EjNYEkicCesMsrO5Ag0ETodXLgEQAKv1wepeqGbkMkOTHchHY1cnO95BHnlOBbif
+IU+abvKSzR4zm/QIMccn7E0hGsAvrDSndtD2vSsVHGbCDIk10WNrr+z8aIP5FrOk
+DyLIO8rCnr+CxKt4cl7vpxQ0CP/Erq/M6jeGvBwFfbyQcM1M/P6xVJAK1AAj0ts3
+8c2DUOz11FQmMDy0Zwb832mfXO6lMznKkWdAl9Qql1vO4cH5XWn45V97nqns1fl
+K8sTov3Dr29RiW5VKuPuQgT1pIzvPCsN9Of/1Eb8nwgHSP9x2CqUHSsomBQbvZoj
+IwbeWW2czy2/jKlbsBnG/9d4X2KyS9jOIgnPULf0NoEk6qghqZeh1Eccegbq6Vd
+Kwz4TI3lcX9pEnU9nyAeIAcvERLbNWwWIAMd6JcriJ/SBkIBUFEn9on4Q7ex63K
+oOxDjj5ze2TYuy7dqZrcIq0qmosMV8OcaY1bz7eFQdnFT6Hg1q+yOfKpntnt0AJN
+dgRL/72hMU5a3CrF1stXMgtLlfz28i81+UI9wmRBFNUvFffTtS8M6sRybbbq1WHJ
+0nC5XSdOfjTRRjHLoyNoJydVRMLacU8RSpdRP7r+xYjDpaUmImuzi+ZYF/Ym/Pt7
+RiKgrjtXqjyS7F9dkmE7Vt3xjPn451wfkYum+16FQTPihNWbmqnFs3Wb7pN6M/g
+c8VbXzkPABEBAAGJAiUEGAECAAA8FAk6HVy4CGwwFCQWjmoAACgkQD91oLZdMpyq3
+Jg//RWiOpPn8smxwYJ3iICTQmD+HMJNL/tSsRAnCSwGsUfTnuurdPMrXho4+J1TK
+qtNBtunfIAL1RuJeC6SeISIOK434DIzQZVstSV6Cxr3vv+sWNcuEQTj1KnCXNR+
+RcoPliMvn/K9UupLPuqTNm1HR7aKO+aeW1V+3la2QjLYQliBmrS54sQkAih1xt0
+8fxnGh5W3InPI/R/7Bz59fqOL3HH2wykui4PrFZsw43GH7o5VDGyMFAkF9P8JHVP
+aoVSRRqezYKe3lp2odOghl89Hy2qR1Y7rks6j5tyewYDX07zZmwPRPpwc+V2tSEM
+LOm1822G98yVtVtFC7N9EcyhlpWfGf+mnJDgDem8xDuTYTzSfQv60HVEjW9kxTQU
+6y1oeLI4wbq6v3q+tumvIqSFu6wZsOqtPFX03ENuJqQM+elDdrihX9iZn31T34Li
+8kNgM5F0nqqpSjXdfXj5UJu69n49jEgQN2HZZXQtIb6qg9XLeVEthHp6AwC4Y1HI
+Ypb6WdbZpUVz1cEwdBol4e77UrRtwwdG9/vezsrYgXb7HJ/WzVuIqa4/Fh7Mup+
+2yKW7Pr8r4S38uuIHPY0O5i6RKJz381Azq8Hu8XRwVHRM1rwpsliDcT8hoID4uY1
+yTG9vjMsYgnDG9BhJMwiBQAyoUJZVxkU/PpmXg85HRyyNaSJAiUEGAECAAA8CGwwF
+AlQAmvMFCQsc3kUACgkQD91oLZdMpyrF/w//fYdK6zTNF873LuvaexJ9REh/91wT
+kd+FnfkwZ6/Hu54UimKgsKr3o5/rM3X640rN6B2WmJOPkWRgJ1ds0ArjKiQc10lj
+9eeqHvR3wveOuX8DC/qDYwkOXJ13CGMFbd3HjSjMiI0Kfrj8/24K9zobk214pkml
+oV2hTbnv+JVnoJS/gVA9FQEGuqhHeSxu89i2LQ2dCjCQHka3CGFccyaAAe+IB/Ug
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1.96 libnettle6 3.4-1

1.96.1 Available under license :

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1.97 libxpm 3.5.12-1

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1.99 libxshmfence 1.3-1

1.99.1 Available under license :

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1.100 libfontenc 1.1.3-1

1.100.1 Available under license :

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

```
--- libfontenc-1.1.3.orig/autogen.sh
+++ libfontenc-1.1.3/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srcdir/configure "$@"
+fi
--- libfontenc-1.1.3.orig/debian/README.source
+++ libfontenc-1.1.3/debian/README.source
@@ -0,0 +1,73 @@
+-----
+Quick Guide To Patching This Package For The Impatient
+-----
+
+1. Make sure you have quilt installed
+2. Unpack the package as usual with "dpkg-source -x"
+3. Run the "patch" target in debian/rules
+4. Create a new patch with "quilt new" (see quilt(1))
+5. Edit all the files you want to include in the patch with "quilt edit"
```

+ (see quilt(1)).

+6. Write the patch with "quilt refresh" (see quilt(1))

+7.

Run the "clean" target in debian/rules

+

+Alternatively, instead of using quilt directly, you can drop the patch in to
+debian/patches and add the name of the patch to debian/patches/series.

+

+-----

+Guide To The X Strike Force Packages

+-----

+

+The X Strike Force team maintains X packages in git repositories on
+git.debian.org in the pkg-xorg subdirectory. Most upstream packages
+are actually maintained in git repositories as well, so they often
+just need to be pulled into git.debian.org in a "upstream-*" branch.
+Otherwise, the upstream sources are manually installed in the Debian
+git repository.

+

+The .orig.tar.gz upstream source file could be generated this
+"upstream-*" branch in the Debian git repository but it is actually
+copied from upstream tarballs directly.

+

+Due to X.org being highly modular, packaging all X.org applications
+as their own independent packages would have created too many Debian
+packages.

For this reason, some X.org applications have been grouped
+into larger packages: xutils, xutils-dev, x11-apps, x11-session-utils,
+x11-utils, x11-xfs-utils, x11-xkb-utils, x11-xserver-utils.

+Most packages, including the X.org server itself and all libraries
+and drivers are, however maintained independently.

+

+The Debian packaging is added by creating the "debian-*" git branch
+which contains the aforementioned "upstream-*" branch plus the debian/
+repository files.

+When a patch has to be applied to the Debian package, two solutions
+are involved:

+* If the patch is available in one of the upstream branches, it
+ may be git'cherry-picked into the Debian repository. In this
+ case, it appears directly in the .diff.gz.

+* Otherwise, the patch is added to debian/patches/ which is managed
+ with quilt as documented in /usr/share/doc/quilt/README.source.

+

+quilt is actually invoked by the Debian X packaging through a larger
+set of scripts called XSFBS. XSFBS brings some other X specific
+features
such as managing dependencies and conflicts due to the video
+and input driver ABIs.

+XSFBS itself is maintained in a separate repository at
+ [git://git.debian.org/pkg-xorg/xsfbfs.git](https://git.debian.org/pkg-xorg/xsfbfs.git)
+and it is pulled inside the other Debian X repositories when needed.
+
+The XSFBS patching system requires a build dependency on quilt. Also
+a dependency on \$(STAMP_DIR)/patch has to be added to debian/rules
+so that the XSFBS patching occurs before the actual build. So the
+very first target of the build (likely the one running autoreconf)
+should depend on \$(STAMP_DIR)/patch. It should also not depend on
+anything so that parallel builds are correctly supported (nothing
+should probably run while patching is being done). And finally, the
+clean target should depend on the xsfclean target so that patches
+are unapplied on clean.
+
+When the upstream sources contain some DFSG-nonfree files, they are
+listed in text files in debian/prune/ in the "debian-*" branch of
+the Debian repository.
+XSFBS' scripts then take care of removing
+these listed files during the build so as to generate a modified
+DFSG-free .orig.tar.gz tarball.

```

--- libfontenc-1.1.3.orig/debian/changelog
+++ libfontenc-1.1.3/debian/changelog
@@ -0,0 +1,178 @@
+libfontenc (1:1.1.3-1) unstable; urgency=medium
+
+ * Remove Cyril from Uploaders.
+ * New upstream release.
+ * Let uscan verify upstream tarball signatures.
+ * Use dh, with compat level 9 and dh-autoreconf.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 26 Jul 2015 18:58:34 +0200
+
+libfontenc (1:1.1.2-1) unstable; urgency=low
+
+ * New upstream release.
+ * Bump debhelper compat level to 7.
+ * Use dpkg-buildflags.
+ * Disable silent rules.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 16 Jun 2013 13:22:05 +0200
+
+libfontenc (1:1.1.1-1) unstable; urgency=low
+
+ * New upstream release.
+ * Remove David Nusinow from Uploaders.
+ * Delete debian/xsfbfs/, it's no longer used in this package.
+ * Add build-{arch,indep} debian/rules

```

targets.

- + * Build for multiarch.
- + * Don't require fakeroot for debian/rules clean.
- + * Bump Standards-Version to 3.9.3.
- +
- + -- Julien Cristau <jcristau@debian.org> Sun, 25 Mar 2012 16:48:07 +0200
- +
- +libfontenc (1:1.1.0-1) unstable; urgency=low
- +
- + * New upstream release.
- + * Bump xutils-dev build-dep for new macros.
- + * Add xfonts-utils build-dep for font-util macros.
- + * Switch from --list-missing to --fail-missing for additional safety.
- + * Exclude libfontenc.la from dh_install accordingly.
- +
- + -- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 15:27:29 +0100
- +
- +libfontenc (1:1.0.5-2) unstable; urgency=low
- +
- + [Timo Aaltonen]
- + * Drop pre-dependency on x11-common from libfontenc-dev. This was needed
- + for upgrades from sarge.
- +
- + [Julien Cristau]
- + * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no
- + good reason. Thanks, Colin Watson!
- + * Remove myself from Uploaders
- +
- + [Cyril Brulebois]
- + * Add udeb needed for the graphical
- installer: libfontenc1-udeb.
- + * Add myself to Uploaders.
- + * Bump Standards-Version from 3.7.3 to 3.8.4 (no changes needed).
- +
- + -- Cyril Brulebois <kibi@debian.org> Tue, 09 Mar 2010 01:40:29 +0100
- +
- +libfontenc (1:1.0.5-1) unstable; urgency=low
- +
- + [Brice Goglin]
- + * Add upstream URL to debian/copyright.
- + * Add a link to www.X.org and a reference to the upstream module
- + in the long description.
- +
- + [Timo Aaltonen]
- + * New upstream release.
- + * Bump Standards-Version to 3.8.3.
- + * Parse space-separated DEB_BUILD_OPTIONS, and handle parallel=N.
- + * Run autoreconf on build. Add build-deps on automake/libtool and

+ xutils-dev.
+
+ [Julien Cristau]
+ * Move -dbg package to the debug section.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 23 Nov 2009 17:25:06 +0100
+
+libfontenc (1:1.0.4-3) unstable; urgency=low
+
+ * Remove Branden and Fabio from Uploaders with their permission.
+ * Add myself to Uploaders.
+ * Bump Standards-Version to 3.7.3.
+ * Drop the
-1 debian revision from the x11proto-core-dev build-dep.
+ * Add Vcs-Git and Vcs-Browser control fields.
+ * libfontenc1{,-dbg} don't need to depend on x11-common.
+ * Use \${binary:Version} instead of the deprecated \${Source-Version}.
+ * Add proper Section control fields for binary packages.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 12 May 2008 16:24:58 +0200
+
+libfontenc (1:1.0.4-2) unstable; urgency=low
+
+ * Uploading to unstable.
+
+ -- Julien Cristau <jcristau@debian.org> Tue, 10 Apr 2007 18:03:12 +0200
+
+libfontenc (1:1.0.4-1) experimental; urgency=low
+
+ * New upstream release.
+ * Drop obsolete CVS information from the package descriptions, and add
+ XS-Vcs-Git.
+ * Install the upstream changelog.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 9 Feb 2007 16:08:19 +0100
+
+libfontenc (1:1.0.2-2) unstable; urgency=low
+
+ [Andres Salomon]
+ * Test for obj-\$(DEB_BUILD_GNU_TYPE) before creating it during build;
+ idempotency fix.
+
+ [Drew Parsons
+]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 29 Aug 2006 20:32:53 +0000
+

+libfontenc (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release
+ * Bump debhelper compat to 5
+ * Remove extra dep on x11-common from -dev package
+ * Version x11-common pre-dep in -dev package to be 1:7.0.0 to match the rest
+ of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 16:32:31 -0400
+
+libfontenc (1:1.0.1-6) unstable; urgency=low
+
+ [David Martinez Moreno]
+ * Fix the encoding path to \${datadir}/fonts/X11/encodings in order to
+ generate other encodings (the former one did not exist at all). Thanks
+ Liu Mars. Closes: #366097.
+
+ [David Nusinow]
+ * Run dh_install with --list-missing
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 9 May 2006 01:07:49 -0400
+
+libfontenc (1:1.0.1-5) unstable; urgency=low
+
+ * Reorder makeshlib command in
+ rules file so that ldconfig is run
+ properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:50:03 -0400
+
+libfontenc (1:1.0.1-4) unstable; urgency=low
+
+ * Change --with-encodingsdir to \\${datadir}/fonts/X11/fonts/encodings.
+ Thanks to Denis Barbier and Xin Liu.
+
+ -- David Nusinow <dnusinow@debian.org> Sat, 15 Apr 2006 18:50:21 -0400
+
+libfontenc (1:1.0.1-3) unstable; urgency=low
+
+ * Build with --with-encodingsdir=\${datadir}/X11/fonts/encodings to account
+ for where we install the encodings. Thanks Xin Liu. Thanks Daniel Stone
+ for the fix. (closes: #362722)
+
+ -- David Nusinow <dnusinow@debian.org> Sat, 15 Apr 2006 12:17:27 -0400
+
+libfontenc (1:1.0.1-2) unstable; urgency=low
+

```
+ * Upload to unstable
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:22 -0500
+
+libfontenc (1:1.0.1-1) experimental; urgency=low
+
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org>
  Thu, 29 Dec 2005 20:50:51 -0500
+
+libfontenc (1.0.0-1) breezy; urgency=low
+
+ * First libfontenc release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
--- libfontenc-1.1.3.orig/debian/compat
+++ libfontenc-1.1.3/debian/compat
@@ -0,0 +1 @@
+9
--- libfontenc-1.1.3.orig/debian/control
+++ libfontenc-1.1.3/debian/control
@@ -0,0 +1,94 @@
+Source: libfontenc
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ x11proto-core-dev (>= 6.8.99.15+cvs.20050722),
+ zlib1g-dev,
+ pkg-config,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.5~1),
+ xfonts-utils (>= 1:7.5+1),
+# DEB_HOST_MULTIARCH, dpkg-buildflags --export=configure
+ dpkg-dev (>= 1.16.1),
+ debhelper (>= 9),
+ dh-autoreconf,
+Standards-Version: 3.9.3
+Vcs-Git: git://git.debian.org/git/pkg-xorg/lib/libfontenc
+Vcs-Browser: http://git.debian.org/?p=pkg-xorg/lib/libfontenc.git
+
+Package: libfontenc1
+Section: libs
+Architecture: any
+Multi-Arch:
```

same

+Pre-Depends:
+ \${misc:Pre-Depends},

+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},

+Description: X11 font encoding library
+ libfontenc is a library which helps font libraries portably determine
+ and deal with different encodings of fonts.

+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>

+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libfontenc

+
+Package: libfontenc1-udeb
+XC-Package-Type: udeb
+Section: debian-installer
+Architecture: any
+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},

+Description: X11 font encoding library
+ This is a udeb, or a microdeb, for the debian-installer.

+
+Package: libfontenc1-dbg
+Section: debug
+Architecture: any
+Priority: extra
+Multi-Arch: same
+Pre-Depends:
+ \${misc:Pre-Depends},

+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},
+ libfontenc1 (= \${binary:Version}),

+Description: X11 font encoding library (debug package)
+ libfontenc is a library which helps font libraries
portably determine
+ and deal with different encodings of fonts.

+ .
+ This package contains the debug versions of the library found in libfontenc1.
+ Non-developers likely have little use for this package.

+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>

+ .

+ This module can be found at
+ [git://anongit.freedesktop.org/git/xorg/lib/libfontenc](https://anongit.freedesktop.org/git/xorg/lib/libfontenc)
+
+Package: libfontenc-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends:
+ \${shlibs:Depends},
+ \${misc:Depends},
+ libfontenc1 (= \${binary:Version}),
+ zlib1g-dev,
+Description: X11 font encoding library (development headers)
+ libfontenc is a library which helps font libraries portably determine
+ and deal with different encodings of fonts.
+ .
+ This package contains the development headers for the library found in
+ libfontenc1. Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:<http://www.X.org>>
+ .
+ This module can be found at
+
+ [git://anongit.freedesktop.org/git/xorg/lib/libfontenc](https://anongit.freedesktop.org/git/xorg/lib/libfontenc)
+--- libfontenc-1.1.3.orig/debian/copyright
+++ libfontenc-1.1.3/debian/copyright
@@ -0,0 +1,22 @@
+This package was downloaded from
+<http://xorg.freedesktop.org/releases/individual/lib/>
+
+Copyright (c) 1998-2001 by Juliusz Chroboczek
+
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+of this software and associated documentation files (the "Software"), to deal
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+THE SOFTWARE.

```
--- libfontenc-1.1.3.orig/debian/libfontenc-dev.install
+++ libfontenc-1.1.3/debian/libfontenc-dev.install
@@ -0,0 +1,4 @@
+usr/include/X11/*
+usr/lib/*/libfontenc.a
+usr/lib/*/libfontenc.so
+usr/lib/*/pkgconfig/fontenc.pc
--- libfontenc-1.1.3.orig/debian/libfontenc1-udeb.install
+++ libfontenc-1.1.3/debian/libfontenc1-udeb.install
@@ -0,0 +1 @@
+usr/lib/*/libfontenc.so.1* usr/lib
--- libfontenc-1.1.3.orig/debian/libfontenc1.install
+++ libfontenc-1.1.3/debian/libfontenc1.install
@@ -0,0 +1 @@
+usr/lib/*/libfontenc.so.1*
--- libfontenc-1.1.3.orig/debian/rules
+++ libfontenc-1.1.3/debian/rules
@@ -0,0 +1,29 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian
libfontenc package.
+# Copyright 2004 Scott James Remnant <scott@netsplit.com>
+# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright 2005 David Nusinow <dnusinow@debian.org>
+
+# Uncomment this to turn on verbose mode.
+export DH_VERBOSE=1
+
+# set this to the name of the main shlib's binary package
+PACKAGE = libfontenc1
+
+%:
+ dh $@ --with autoreconf --parallel -Bbuild
+
+override_dh_auto_configure:
+ dh_auto_configure -- \
+   --with-encodingsdir=${datadir}/fonts/X11/encodings \
+   --disable-silent-rules
+
+override_dh_install:
+ dh_install --sourcedir=debian/tmp --fail-missing -Xlibfontenc.la
+
+override_dh_strip:
+ dh_strip -p$(PACKAGE) --dbg-package=$(PACKAGE)-dbg
+ dh_strip -N$(PACKAGE)
```

```

+
+override_dh_makeshlibs:
+ dh_makeshlibs --add-udeb=$(PACKAGE)-udeb
--- libfontenc-1.1.3.orig/debian/upstream/signing-key.asc
+++ libfontenc-1.1.3/debian/upstream/signing-key.asc
@@ -0,0 +1,60 @@
+-----BEGIN PGP PUBLIC KEY BLOCK-----
+Version: GnuPG v1
+
+mQGIBeab+moRBACDH5yKqS3wcc5bdxY7PBNuwKvF5TKMfagmSvuRDtZjjIIWaA/n
+Z1KboV9Gq5g7kP7+Kfu+Qgd8u65eVsWwmPW10fXvj3aCU53glx2EdGdrHcgIyH2g
+EQfPiyBw+trIppWFRV0IDXSLMA1FNC92t2nSG/VFHaPTVwgcgkIRSfcXDvwcglGdE
+a6f4uLqoNHP+m4yYnzapFuMD/R4+2AJDAvEWKDDYCGZzlawjAmmWyXrmT7/C/mx9
+8qUR47314buXjHgDkkXXIHqdzil1vK85PhrKzNJDCCmlHUJNz+QwiAMOLwpD+kwV
+Pb57RG7y+a5JQ5+jtVw4RIUxZIk/wj2An9YBO3A5vR7PdjM32ZJCn2+aM4dYfNzQ
+xQKTA/47icvBaBVTI9rztjg2pd2Aqpc1P/GsIYLGj7XjnnJvGAENBHS1QjpZMJG
+CTS9oJ+B0/wrIr+pA+MdfgYAb6ojMQJO06UChjWWSGjMFcs/CeXhxILBido3DtAE
+TbNTwO6OeFavdosvTdhJfnwvZIJ+zZGGy5CrF2Fd9PUe9tmASbQoQWxhbiBDb29w
+ZXJzbWl0aCA8YWxhbmNAZnJlZWRlc2t0b3Aub3JnPohoBBMRAgAoAhsDBgsJCAcD
+AgYVCAIJCgsEFgIDAQIeAQIXgAUCUXnRYgUJFEPYeAAKCRci+54IHyoTDDonxAKCP
+cAgXNojuujUg5Wqi6v0RBFVUSgCggq1SsVEdq9NDWvXvkeGyNaBivSK0K0FsYW4g
+Q29vcGVyc21pdGggPGFsYW4uY29vcGVyc21pdGhAc3VuLmNvbT6IZgQTEQIAJgIb
+AwYLCQgHAwIEFQIIAwQWAgMBAh4BAheABQJRedFiBQkUQ9h4AAoJEKL7nggfLRMO
+6sUAn0jl3h9rY4OJ13Lu7nsKclyhDpOqAKCFgTmaDGRuDRxloLg9jfrn7a7vrQu
+QWxhbiBDb29wZXJzbWl0aCA8YWxhbi5jb29wZXJzbWl0aEBvcmlFbGUuY29tPohr
+BBMRAgArAhsDBgsJCAcDAgYVCAIJCgsEFgIDAQIeAQIXgAIZAQUUCUXnRYgUJFEPY
+eAAKCRci+54IHyoTDtBZAJ9IgVvNoFIPRjTsNjcSFaLznuDRJgCcC/WgV312IrxS
+Q8PRAyEgozSB9Ke5Ag0ERpv6bxAIAJp5aUlho5rUhpS6ik7spsAQFPRuycPKMNu0
+J4F0v/OoPz085soV8ytLj4HqCGk2Zamh1jSgliZwuk9m7V7Wgxx+nBJawpWDX/eK
+LObErfDwQ4dfOfvjbXLQMmNnQNaUGIWLPP3l8GuBOHMq60Bu+TPgh627vUntL5RE
+QEQQTXIzWC6U10QsDbILwIvdOVSdGF5x1/N1myXzSKvrsZwWtoFc8G9v9hcCjhtN
+1sm9b7Ojc51iZXvcetcvPy5RA6AUW3yEEaedUdLnvIF9sjFYIfJWFVYh2AgavnG
+re6fF+NV2v3zfx3wRT7H9//m4YIDYJmgZgyQccXegTwfGBIq3osAAwYH/1FiMUMM
+ES5Ilz2nDqId+DCWECAU6wgvIFRcXrZWxDxB+ZrnmTCXoAD0xedpfOkRHp8XTVc/
+9MU+wQ+IZRx2OQ6MJW0XGuFvHm94KZF/8HzWA2Ah7U4n0+3sLpk6zWceZq2zZNF0
+yVTjwD98+xNK1Q9sP8aOKdtg8yMH3hisKR6rdW+mfX5q0Q8Gol2hZsFH/qqIhnPz
+hXDknuOh8E5iMkzrejVXUEn++Yzj23XjP59SObLznVkyxI+kBI9qvVEPffBDybjH
+WqLcgRcPxAzjzEi+/d31iDa2ErJHV4R42obecFqiPnoDtiX3liP7z9fmxM4aWP
+ZZRqvq+1ht5wkn+ISQQYEQIACQUCRpv6bwIbDAKCRci+54IHyoTDLoAKCHYRpw
+/XfyEunw1YL/uMZzl78qIQcdFVcXNbnqD83qVhW4Ly7hyDL8o0aK5Ag0EUXnVIQEQ
+AKHpiOmY056n0tsZoW9q5egsMcl5tKC8uimrhO05nnq+5/60/YedC++V9c9b/3/X
+7O28LyBkAtBgD0xJZSDQ0DhTzKAp6AzjQtBvI68uinGwxSjT+oQpPMxqhA1I0kzo
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```

```
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+MtALLMqCXsA490gLTSDg3HSwxt2Q/LJdy427ZIMvjGXlruns8U/OmL9dVgWu3b
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+n4u1yrMjfpnSblPMu5wJi3kjoA+Dd5ZFqx9nTi4wBjfVYGCPsleq59K8kQCYx1Cn
+lZcq630ITy9dB/aHCQry2gCbBwZ2Rsf9kr05S8uLhlwW3vRSvRs=
+tc6G
+-----END
```

PGP PUBLIC KEY BLOCK-----

```
--- libfontenc-1.1.3.orig/debian/watch
+++ libfontenc-1.1.3/debian/watch
@@ -0,0 +1,4 @@
+#git=git://anongit.freedesktop.org/xorg/lib/libfontenc
+version=3
+opts=pgpsigurlmangle=s/$.sig/ \
+http://xorg.freedesktop.org/releases/individual/lib/ libfontenc-(.*)\tar.gz
```

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1000046147_1591900126.14/0/libfontenc-1-1-3-1-diff-gz/libfontenc_1.1.3-1.diff

1.101 Im-sensors 3.4.0-4

1.101.1 Available under license :

This package was debianized by Stephen Crowley crow@debian.org and is now maintained by Aurelien Jarno aurel32@debian.org.

It was downloaded from <http://www.lm-sensors.org/>

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1.102 libxcomposite 0.4.4-2

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1.103 libxcursor 1.1.15-1

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1.104 libflac 1.3.2-1

1.104.1 Available under license :

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Version 2.1, February 1999

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1.105 libxmu 1.1.2-2

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1.107 libxrandr 1.5.1-1

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1.108 libxxf86vm 1.1.4-1

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Special thanks are due to Chip Rosenthal for his fine testing efforts; to Steve Simmons for his work in porting this code to BSD; and to Bill Kennedy for his contributions of LaserJet printer time and energies. Also, thanks for Dennis L. Mumaugh for the initial shadow password information and to Tony Walton (olapw@olgb1.oliv.co.uk) for the System V Release 4 changes. Effort in porting to SunOS has been contributed by Dr. Michael Newberry (miken@cs.adfa.oz.au) and Micheal J. Miller, Jr. (mke@kaber.drain.com). Effort in porting to AT&T UNIX System V Release 4 has been provided by Andrew Herbert (andrew@werple.pub.uu.oz.au). Special thanks to Marek Michalkiewicz (marekm@i17linuxb.ists.pwr.wroc.pl) for taking over the Linux port of this software.

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1.110 libpthread-stubs 0.3-4

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1.113 xtrans 1.3.5-1

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1.114 xorg-sgml-doctools 1.11-1

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1.115 mailapi 1.4.3

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1.116 zjsonpatch 0.3.0

1.117 generex 1.0.1

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 */
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Found in path(s):

```
* /opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-
jar/com/mifmif/common/regex/util/Iterator.java
* /opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-jar/com/mifmif/common/regex/Node.java
* /opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-
jar/com/mifmif/common/regex/GenerexIterator.java
*
/opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-
jar/com/mifmif/common/regex/util/Iterable.java
* /opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-
jar/com/mifmif/common/regex/Generex.java
* /opt/cola/permits/1000057380_1651084362.54/0/generex-1-0-1-sources-jar/com/mifmif/common/regex/Main.java
```

1.118 jasypt 1.9.2

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1.119 plexus-classworlds 2.2.2

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1.120 maven-monitor 2.0.9

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1.121 plexus-compiler-manager 2.2

1.122 maven-plugin-parameter-documenter

2.0.9

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1.124 maven-shared-utils 0.1

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2.0.6

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1.127 maven-monitor 2.0.6

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1.128 plexus-classworlds 2.5.2

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* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/plexus/classworlds/strategy/OsgiBundleStrategy.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/ConfiguratorAdapter.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/ClassWorldReverseAdapter.java
*
/opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/ClassRealmReverseAdapter.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/ClassRealmAdapter.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/ClassWorld.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/BytesURLStreamHandler.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
```

jar/org/codehaus/classworlds/ClassWorldAdapter.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/Launcher.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/Configurator.java
*
/opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/BytesURLConnection.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/classworlds/DefaultClassRealm.java
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* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/plexus/classworlds/strategy/ParentFirstStrategy.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-
jar/org/codehaus/plexus/classworlds/strategy/SelfFirstStrategy.java
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* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/launcher/ConfigurationParser.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/launcher/Launcher.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/launcher/ConfigurationException.java
*
/opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/realm/DuplicateRealmException.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/ClassWorldListener.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/realm/ClassRealm.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/realm/NoSuchRealmException.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/strategy/Strategy.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/launcher/ConfigurationHandler.java
*
/opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/strategy/AbstractStrategy.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/strategy/StrategyFactory.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/UrlUtils.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/realm/Entry.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/ClassWorld.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/ClassWorldException.java
* /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/plexus/classworlds/launcher/Configurator.java
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- * /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/classworlds/NoSuchRealmException.java
- * /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/classworlds/DuplicateRealmException.java
- * /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/classworlds/ClassRealm.java
- * /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-jar/org/codehaus/classworlds/ClassWorldException.java
- * /opt/cola/permits/1000058777_1611163580.38/0/plexus-classworlds-2-5-2-sources-

1.129 maven-toolchain 1.0

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* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/ToolchainFactory.java
*
 /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/ToolchainManagerPrivate.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/DefaultToolchainManager.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/RequirementMatcher.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/Toolchain.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/MisconfiguredToolchainException.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/java/DefaultJavaToolChain.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/ToolchainManager.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-
jar/org/apache/maven/toolchain/DefaultToolchain.java
*
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/opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-jar/org/apache/maven/toolchain/RequirementMatcherFactory.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-jar/org/apache/maven/toolchain/java/JavaToolChain.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-jar/org/apache/maven/toolchain/java/DefaultJavaToolchainFactory.java
* /opt/cola/permits/1000058928_1646171451.16/0/maven-toolchain-1-0-sources-jar/org/apache/maven/toolchain/ToolchainPrivate.java

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1.130 sisu-inject-plexus 1.4.2

1.131 plexus-compiler-javac 2.2

1.132 maven-common-artifact-filters 1.3

1.132.1 Available under license :

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1.136 joda-convert 1.2

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1.137 boost 1.60.0

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```

```
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>
```

```
template <int i>
struct t { };
```

```

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

int main() { }
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

  <title>License &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

  <link rel="stylesheet" href="../../_static/boostbook.css" type="text/css" />
  <link rel="stylesheet" href="../../_static/pygments.css" type="text/css" />

  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT: '../..',
      VERSION: '0.6',
      COLLAPSE_INDEX: false,
      FILE_SUFFIX: '.html',
      HAS_SOURCE: true,
      SOURCELINK_SUFFIX: '.txt'
    };
  </script>
  <script type="text/javascript" src="../../_static/jquery.js"></script>
  <script type="text/javascript" src="../../_static/underscore.js"></script>
  <script type="text/javascript" src="../../_static/doctools.js"></script>
  <link rel="index" title="Index" href="../../genindex.html" />
  <link rel="search" title="Search" href="../../search.html" />
  <link rel="prev" title="Acknowledgements" href="acknowledgements.html" />
</head>
<body role="document">
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<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" href="acknowledgements.html"></a>
<a accesskey="u" href="../../index.html"></a>
<a accesskey="h" href="../../index.html"></a>
<a accesskey="n" ></a>
</div>

  <div class="document">
  <div class="chapter">

```

```

<div class="body" role="main">

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</p>
</div>

</div>
</div>
<div class="clearer"></div>
</div>
<div class="footer" role="contentinfo">
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```

```

    </p>
</div></td>
</tr></table>
</div>
</body>
</html>
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }
////////////////////////////////////////////////////////////////
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//
// See http://www.boost.org/libs/intrusive for documentation.
//
////////////////////////////////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
#endif

```



```

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using
    boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using
    boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;

```

```

using boost::move_detail::add_const_if_c;

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;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME) \
template <typename T> \
struct boost_intrusive_has_type_ ## TNAME \
{ \
    template <typename X> \
    static char test(int, typename X::TNAME*); \
 \
    \
    template <typename X> \
    static int test(...); \
 \
    static const bool value = (1 == sizeof(test<T>(0, 0))); \
}; \
 \
template <typename T, typename DefaultType> \
struct boost_intrusive_default_type_ ## TNAME \
{ \
    struct DefaultWrap { typedef DefaultType TNAME; }; \
 \
    typedef typename \
        ::boost::intrusive::detail::if_c \
        < boost_intrusive_has_type_ ## TNAME<T>::value \
 \
        , T, DefaultWrap>::type::TNAME type; \
}; \
//

```

```

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) \
    INSTANTIATION_NS_PREFIX \
        boost_intrusive_has_type_ ## TNAME< T >::value \
//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)\
template <typename T, typename DefaultType> \
struct boost_intrusive_eval_default_type_ ## TNAME \
{ \
    template <typename X> \
    static char \
test(int, typename X::TNAME*); \
 \
    template <typename X> \
    static int test(...); \
 \
    struct DefaultWrap \
    { typedef typename DefaultType::type TNAME; }; \
 \
    static const bool value = (1 == sizeof(test<T>(0, 0))); \
 \
    typedef typename \
        ::boost::intrusive::detail::eval_if_c \
            < value \
            , ::boost::intrusive::detail::identity<T> \
            , ::boost::intrusive::detail::identity<DefaultWrap> \
        >::type::TNAME type; \
}; \
//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_eval_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX,
TYPEDEF_TO_FIND) \
template <class T>\
struct TRAITS_PREFIX##_bool\
{\

```

```

template<bool Add>\
struct two_or_three {yes_type _[2 + Add];};\
template <class U> static yes_type test(...);\
template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);\
static const std::size_t value = sizeof(test<T>(0));\
};\
\
template <class T>\
struct TRAITS_PREFIX##_bool_is_true\
{\
    static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;\
};\
//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME,\
FUNC_NAME) \
template <typename U, typename Signature> \
class TRAITS_NAME \
{ \
private: \
    template<Signature> struct helper;\
    template<typename T> \
    static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*); \
    template<typename T> static ::boost::intrusive::detail::no_type test(...); \
public: \
    static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \
template <typename Type> \
struct TRAITS_NAME \
{ \
    struct BaseMixin \
    { \
        void FUNC_NAME(); \
    }; \
    struct Base : public Type, public BaseMixin { Base(); }; \
    template <typename T, T t> class Helper{}; \
    template <typename U> \
    static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); \
    static ::boost::intrusive::detail::yes_type test(...); \

    static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME,

```

```

FUNC_NAME) \
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAIT_NAME##_ignore_signature, FUNC_NAME)
\
\
template <typename Type, class> \
struct TRAIT_NAME \
: public TRAIT_NAME##_ignore_signature<Type> \
{};\
//

} //namespace detail
} //namespace intrusive
} //namespace boost

```

```
#include <boost/intrusive/detail/config_end.hpp>
```

```
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

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```
=====
```

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[article Invalid copyright years

[quickbook 1.5]

[copyright 2010-2001 Timequake man]

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/+\

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]

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [[@../../libs/mpl/doc/refmanual/integral-constant.html](http://www.boost.org/libs/mpl/doc/refmanual/integral-constant.html) Integral Constant type].

Please note that these types no longer inherit from `mpl::true_`` or `mpl::false_`` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant`` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.

[endsect]

[/

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]

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">

<title>MPL Interoperability</title>

<link rel="stylesheet" href="../../doc/src/boostbook.css" type="text/css">

<meta name="generator" content="DocBook XSL Stylesheets V1.79.1">

<link rel="home" href="index.html" title="Chapter 160;1. Boost.TypeTraits">

<link rel="up" href="index.html" title="Chapter 160;1. Boost.TypeTraits">

<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsic">

<link rel="next" href="examples.html" title="Examples">

</head>

<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">

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<td valign="top"></td>

<td align="center">Home</td>

<td align="center">Libraries</td>

<td align="center">People</td>

<td

align="center">FAQ</td>

<td align="center">More</td>

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<hr>

```

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<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="index.html"></a><a accesskey="h"
href="index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
<div class="section">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typedtraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
All the value based traits in this library conform to MPL's requirements for
an <a
href="../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
Constant type</a>.
</p>
<p>
Please note that these types no longer inherit from <code class="computeroutput"><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code> or
<code class="computeroutput"><span class="identifier">mpl</span><span class="special">::</span><span
class="identifier">false_</span></code> etc, and the library will no longer
implicitly include any MPL header. However there is an implicit conversion
from <code class="computeroutput"><span class="identifier">integral_constant</span></code> to the
corresponding MPL types, therefore tag-dispatching that uses MPL types in function
overloads will still work as before.
</p>
</div>
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left"></td>
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&#169; 2000, 2011 Adobe Systems Inc, David Abrahams,
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Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten
Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven
Watanabe<p>
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target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
</p>
</div></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="index.html"></a><a accesskey="h"
href="index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
</body>
</html>
[article Copyright Test
[quickbook 1.5]
[copyright 1963-1965 Jane Doe, 2018 Joe Blow, John Coe]
[copyright 1977,1985 Someone else]
]
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[ "list", "structboost_1_1mpl_1_1list.html", null ],
[ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];
////////////////////////////////////
//
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// http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/container for documentation.
//
////////////////////////////////////

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <boost/intrusive/detail/mpl.hpp>

#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

```

```

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using
    boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

```

```

template
<class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    { return x.first; }

    template<class T>
    type& operator()(T& x)
    { return const_cast<type&>(x.first); }
};

```

```

template <class T, class=void>

```

```

struct is_transparent
{
    static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

} //namespace dtl {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
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```

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```

#!/usr/bin/env python
from subprocess import check_output as run

```

```

from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
              '--date=short', '--format=%aN%x09% ad', filename],
              universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('\t')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year ==
end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
    return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
    for i, line in enumerate(content[:15]):
        m = re.match(r'^(?P<prefix>\W*)(\s*)?(s*?copyright\s*(\s*)?\s+\d{4}(\s*-\s*\d{4})?\s+(?P<name>.+?)\s*$',
line, re.IGNORECASE)
        if m:
            d = m.groupdict()
            prefix.add(d['prefix'])
            lines.append(i)
            names.append(d['name'].strip())
    if len(prefix) != 1:

```

```

    print 'Not found:', filename
    return
prefix = list(prefix)[0]

print filename
new = iter(new_copyright(filename, names))
with open(filename, 'w') as f:
    for i, line in enumerate(content):
        if i in
lines:
    for repl in new:
        print >>f, prefix + repl
    else:
        print >>f, line,
pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]

```

Maybe this should pass?

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

```
<!-- Copyright (c) 2001-2006 CrystalClear Software, Inc.
```

```
    Subject to the Boost Software License, Version 1.0.
```

```
    (See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE\_1\_0.txt)
```

```
-->
```

```
<section id="date_time.license">
```

```
<title>Boost Date-Time Library License</title>
```

```
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
```

```
<!--
```

```
<ulink url="../../index.htm">
```

```
<imagedata align="left"
```

```
    format="GIF"
```

```
    fileref="../../boost.png"
```

```
    alt="C++ Boost" />
```

```
</ulink>-->
```

```
<!--hr /-->
```

<para>

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<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
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</section>

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University of Notre Dame ()
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Joerg Walter (jhr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)
Mathias Koch (mkoch - at - idesis.de 7 : email to boost-owner@lists.boost.org Sep 2007 13:20:09 +0200)

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-->

<!-- boost-no-inspect -->

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<meta http-equiv="X-UA-Compatible" content="IE=9"/>

<meta name="generator" content="Doxygen 1.8.11"/>

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<script type="text/javascript" src="jquery.js"></script>

<script type="text/javascript" src="dynsections.js"></script>

<link href="navtree.css" rel="stylesheet" type="text/css"/>

<script type="text/javascript" src="resize.js"></script>

<script type="text/javascript" src="navtreedata.js"></script>

<script type="text/javascript"

src="navtree.js"></script>

<script type="text/javascript">

\$(document).ready(initResizable);

\$(window).load(resizeHeight);

</script>

<link href="search/search.css" rel="stylesheet" type="text/css"/>

<script type="text/javascript" src="search/searchdata.js"></script>

<script type="text/javascript" src="search/search.js"></script>

<script type="text/javascript">

\$(document).ready(function() { init_search(); });

```

</script>
<script type="text/x-mathjax-config">
  MathJax.Hub.Config({
    extensions: ["tex2jax.js"],
    jax: ["input/TeX","output/HTML-CSS"],
  });
  // Copyright Louis Dionne 2013-2017
  // Distributed under the Boost Software License, Version 1.0.
  // (See accompanying file LICENSE.md or copy at http://boost.org/LICENSE_1_0.txt)
  MathJax.Hub.Config({
    "HTML-CSS": {
      linebreaks: {
        automatic: true,
        width: "75% container"
      }
    }
  });
</script><script type="text/javascript" src="https://cdn.mathjax.org/mathjax/latest/MathJax.js"></script>
<link
  href="doxygen.css" rel="stylesheet" type="text/css" />
<!-- Additional javascript for drawing charts. -->
<script type="text/javascript" src="highcharts.js"></script>
<script type="text/javascript" src="highcharts-data.js"></script>
<script type="text/javascript" src="highcharts-exporting.js"></script>
<script type="text/javascript" src="chart.js"></script>
<script type="text/javascript" src="hana.js"></script>
</head>
<body>
<div id="top"><!-- do not remove this div, it is closed by doxygen! -->
<div id="titlearea">
<table cellspacing="0" cellpadding="0">
<tbody>
<tr style="height: 56px;">
<td id="projectlogo"></td>
<td style="padding-left: 0.5em;">
<div id="projectname">Boost.Hana
&#160;<span id="projectnumber">1.5.0</span>
</div>
<div id="projectbrief">Your standard library for metaprogramming</div>
</td>
<td>
<div id="MSearchBox" class="MSearchBoxInactive">
<span class="left">


<input type="text" id="MSearchField" value="Search" accesskey="S"

```

```

        onfocus="searchBox.OnSearchFieldFocus(true)"
        onblur="searchBox.OnSearchFieldFocus(false)"
        onkeyup="searchBox.OnSearchFieldChange(event)"/>
    </span><span class="right">
        <a id="MSearchClose" href="javascript:searchBox.CloseResultsWindow()"></a>
    </span>
</div>
</td>
</tr>
</tbody>
</table>
</div>
<!-- end header part -->
<!-- Generated by Doxygen 1.8.11 -->
<script type="text/javascript">
var searchBox = new SearchBox("searchBox", "search",false,'Search');
</script>
</div><!-- top -->
<div id="side-nav" class="ui-resizable side-nav-resizable">
<div id="nav-tree">
<div id="nav-tree-contents">
<div id="nav-sync" class="sync"></div>
</div>
</div>
<div id="splitbar" style="-moz-user-select:none;"
class="ui-resizable-handle">
</div>
</div>
<script type="text/javascript">
$(document).ready(function(){initNavTree('group__group-ext-mpl.html',");});
</script>
<div id="doc-content">
<!-- window showing the filter options -->
<div id="MSearchSelectWindow"
onmouseover="return searchBox.OnSearchSelectShow()"
onmouseout="return searchBox.OnSearchSelectHide()"
onkeydown="return searchBox.OnSearchSelectKey(event)">
</div>

<!-- iframe showing the search results (closed by default) -->
<div id="MSearchResultsWindow">
<iframe src="javascript:void(0)" frameborder="0"
name="MSearchResults" id="MSearchResults">
</iframe>
</div>

<div class="header">

```

```

<div class="summary">
<a href="#nested-classes">Classes</a> </div>
<div class="headertitle">
<div class="title">Boost.MPL adapters<div class="ingroups"><a
class="el" href="group__group-ext.html">External adapters</a></div></div> </div>
</div><!--header-->
<div class="contents">
<a name="details" id="details"></a><h2 class="groupheader">Description</h2>
<p>Adapters for Boost.MPL containers. </p>
<table class="memberdecls">
<tr class="heading"><td colspan="2"><h2 class="groupheader"><a name="nested-classes"></a>
Classes</h2></td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1integral__c.html">boost::mpl::integral_c<&lt; T, v &gt;></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for IntegralConstants
from the Boost.MPL. <a href="structboost_1_1mpl_1_1integral__c.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1list.html">boost::mpl::list<&lt; T &gt;></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL lists.
<a href="structboost_1_1mpl_1_1list.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
<tr class="memitem:"><td class="memItemLeft" align="right" valign="top">struct &#160;</td><td
class="memItemRight" valign="bottom"><a class="el"
href="structboost_1_1mpl_1_1vector.html">boost::mpl::vector<&lt; T &gt;></a></td></tr>
<tr class="memdesc:"><td class="mdescLeft">&#160;</td><td class="mdescRight">Adapter for Boost.MPL
vectors. <a href="structboost_1_1mpl_1_1vector.html#details">More...</a><br /></td></tr>
<tr class="separator:"><td class="memSeparator" colspan="2">&#160;</td></tr>
</table>
</div><!-- contents -->
</div><!-- doc-content -->
<!--
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-->
<!-- boost-no-inspect -->
<!-- HTML footer for doxygen 1.8.9.1-->
<!-- start footer part -->
<div id="nav-path" class="navpath"><!-- id is needed for treeview function! -->
<ul>
</ul>
</div>
</body>
</html>

```

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 Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agg@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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-->

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

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

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

<head>


```

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>&lt;no title&gt; &#8212; Boost.HigherOrderFunctions 0.6 documentation</title>

<link rel="stylesheet" href="_static/boostbook.css" type="text/css" />
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />

<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
    URL_ROOT:    './',
    VERSION:    '0.6',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE:  true,
    SOURCELINK_SUFFIX: '.txt'
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
<link
rel="index" title="Index" href="genindex.html" />
<link rel="search" title="Search" href="search.html" />
</head>
<body role="document">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
</tr></table>

<div class="spirit-nav">
<a accesskey="p" ></a>
<a accesskey="u" href="doc/index.html"></a>
<a accesskey="h" href="doc/index.html"></a>
<a accesskey="n" ></a>
</div>

<div class="document">
<div class="chapter">
<div class="body" role="main">

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```

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```
</div>
</div>
<div class="clearer"></div>
</div>
<div class="footer" role="contentinfo">
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left"></td>
<td align="right"><div class="copyright-footer">
    Copyright 2016, Paul Fultz II.

    Created using <a href="http://sphinx-doc.org/">Sphinx</a> 1.5.6.
    <p>Distributed under the Boost Software License, Version 1.0.
    (See accompanying file <code class="filename">LICENSE_1_0.txt</code> or copy at
    <a href="http://www.boost.org/LICENSE_1_0.txt"
    target="_top">http://www.boost.org/LICENSE_1_0.txt</a>)
    </p>
</div></td>
</tr></table>
</div>
</body>
</html>
<!DOCTYPE html>
<html>
<head></head>
<body>
<h3>
    Copyright Test
</h3>
<p class="copyright">
```

```

1963, 1964, 1965 Jane Doe
</p>
<p class="copyright">
2018 Joe Blow, John Coe
</p>
<p class="copyright">
1977, 1985 Someone else
</p>
</body>
</html>
<?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>
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```

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////

```
[#mpl]
```

```
# MPL Support, <boost/mp11/mpl.hpp>
```

```
:toc:
```

```
:toc-title:
```

```
:idprefix:
```

The header ``<boost/mp11/mpl.hpp>``, when included, defines the necessary support infrastructure for ``mp_list`` and ``std::tuple`` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: ``mpl.hpp`` is not included by ``boost/mp11.hpp``.

```
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```

```
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```

```
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```

```
#include <boost/mpl/fold.hpp>
```

```
#include <boost/mpl/push_back.hpp>
```

```
#include <boost/mpl/quote.hpp>
```

```
#include <boost/mpl/vector.hpp>
```

```
template <typename State, typename X>
```

```
struct f { using type = X; };
```

```
struct state { };
```

```
template <int i>
```

```
struct t { };
```

```
using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;
```

```
using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;
```

```
int main() { }
```

```
////////////////////////////////////
```

```
//
```

```
// (C) Copyright Ion Gaztanaga 2005-2016.
```

```
//
```

```
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```

```
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```

```
// http://www.boost.org/LICENSE\_1\_0.txt)
```

```
//
```

```
// See http://www.boost.org/libs/interprocess for documentation.
```

```

//
////////////////////////////////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
#
#if defined(BOOST_HAS_PRAGMA_ONCE)
# 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;
};

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<
    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<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
[=====
Boost.Geometry (aka GGL, Generic Geometry Library)

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Copyright (c) 2008-2013 Bruno Lalande, Paris, France.
Copyright (c) 2009-2013 Mateusz Loskot, London, UK.

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http://www.boost.org/LICENSE\_1\_0.txt)
=====/]

/*
 *
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 * 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 <string>
#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";
if(m_module_list.size() == 1)
{
os << " for " << *(m_module_list.begin());
}
os <<
"</title>\n"
"</head>\n"
"<body>\n"
"<H1>Boost Licence Dependency Information";
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>\n";
if(!m_bsl_summary_mode)
os << "<a href=\"#summary\">Licence Summary</a>\n";
os << "<a href=\"#details\">Licence Details</a>\n";

while(i != j)
{
// title:
os << " <A href=\"#\" << make_link_target(licenses.first[i->first].license_name)
<< "\">" << licenses.first[i->first].license_name << "</a>\n";
++i;
}

os << "<a href=\"#files\">Files with no recognised license</a>\n"
"<a href=\"#authors\">Files with no recognised copyright holder</a>\n";
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>\n"
" <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
" <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
" <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"

```

```

    "<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<
    "<a href=\"#depend\">File Dependency Information</a>\n"
    "</pre>";

//
// input Information:
//
os << "<a name=\"input\"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os
    << *si << "<BR>";
    ++si;
}
os << "<p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[:blank:]]*#[[:blank:]]*define[[:blank:]]+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 % 1000 << "." << version % 100
    << "</P>\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>\n";
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>\n";
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>\n";
// 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:</P>\n<BLOCKQUOTE><P>";
std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
os << *x << "<BR>\n";
++x;
}
}
}
}

```

```

os << "</P></BLOCKQUOTE>\n";
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
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>\n";
++m;
}
os << "</P></BLOCKQUOTE>\n";
}
else
{
os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\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>\n";
++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>\n"
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)

```

```

{
  os << split_path(m_boost_path, *i2) << "<br>\n";
  ++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>\n"
  << "<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>\n";
  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>\n<table border=\"1\">\n <tr>\n <td><pre>"
        << i->second.first << "</pre></td>\n <td><pre>"
        << i->second.second << "</pre></td>\n </tr>\n</table>\n";
      ++i;
      ++file_num;
    }
  }
  //
  // Output list of files that could be moved over to the Boost Software License
  //
  os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\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:</P>\n<BLOCKQUOTE><P>";
  i2 = m_can_migrate_to_bsl.begin();
  j2 = m_can_migrate_to_bsl.end();
  while(i2 != j2)
  {
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
  }
  os << "</p></BLOCKQUOTE>";

```

```

//
// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\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:</P>\n<BLOCKQUOTE><P>";
    i2 = m_cannot_migrate_to_bsl.begin();
    j2 = m_cannot_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
    os << "</p></BLOCKQUOTE>";
//
// Output list of authors that
we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\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 <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
    std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
        std::ostream_iterator<std::string>(os, "<br>\n"));
    os << "</p></BLOCKQUOTE>";
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
std::map<std::string, std::set<fs::path, path_less>>>::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><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 << "</td></tr>\n";
    ++ad;
}

```



```

    os << "</table>\n";
}

//
// output file dependency information:
//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>\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 << "<P>For brevity, only files not under the BSL are shown</P>\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);
}
}

```

1.138 opentracing-util 0.31.0

1.138.1 Available under license :

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

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Found in path(s):

* /opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/META-INF/maven/io.opentracing/opentracing-util/pom.xml

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*/

Found in path(s):

* /opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/io/opentracing/util/AutoFinishScopeManager.java

* /opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/io/opentracing/util/ThreadLocalScope.java

* /opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/io/opentracing/util/ThreadLocalScopeManager.java

*

/opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/io/opentracing/util/GlobalTracer.java

* /opt/cola/permits/1000099241_1646171463.16/0/opentracing-util-0-31-0-sources-jar/io/opentracing/util/AutoFinishScope.java

1.139 objenesis 1.2

1.139.1 Available under license :

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// -----

Objenesis

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1.140 javolution 5.5.1

1.141 geronimojmspec 1.1.1

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1.145 velocity 1.5

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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/defaults/velocity.properties
```

```
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
```

jar/org/apache/velocity/texen/defaults/texen.properties

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/parser/build.sh

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/defaults/directive.properties

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jar/org/apache/velocity/runtime/resource/util/StringResourceRepository.java

*

/opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/resource/loader/FileResourceLoader.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/Template.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

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/RuntimeConstants.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/io/UnicodeInputStream.java

*

/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

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/resource/util/StringResource.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/exception/MethodInvocationException.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/log/LogChute.java

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jar/org/apache/velocity/runtime/parser/node/ASTTrue.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/ResourceCacheImpl.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/parser/VelocityCharStream.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/util/introspection/Uberspect.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/app/event/implement/IncludeNotFound.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/parser/node/ASTAndNode.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/parser/node/ASTOrNode.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/VelocityEngine.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/runtime/parser/node/ASTDivNode.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/app/Velocity.java

* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-

jar/org/apache/velocity/texen/ant/TextenTask.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/log/LogSystem.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/log/JdkLogChute.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/parser/node/PropertyExecutor.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/util/ArrayIterator.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/app/event/implement/EscapeXmlReference.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/util/introspection/UberspectLoggable.java
* /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
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/anakia/TreeWalker.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/util/introspection/IntrospectionCacheData.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/ASTObjectArray.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/RuntimeInstance.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/util/SimplePool.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/context/InternalEventContext.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/parser/node/ASTprocess.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/parser/node/PutExecutor.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/RuntimeServices.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/app/event/InvalidReferenceEventHandler.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/log/HoldingLogChute.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/util/introspection/ClassMap.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/runtime/parser/node/ASTExpression.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/util/introspection/Info.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/anakia/Escape.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/ASTText.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/ResourceFactory.java
 * /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/runtime/parser/node/SetExecutor.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/ASTNotNode.java
 * /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/anakia/XPathTool.java
 * /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/runtime/parser/node/ASTIntegerRange.java
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jar/org/apache/velocity/runtime/parser/node/SimpleNode.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 $
*/
```

Found in path(s):

```
*/opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-
jar/org/apache/velocity/app/event/EventCartridge.java
No license file was found, but licenses were detected in source scan.
```

```
/*@bgen(jjtree) Generated By:JJTree: Do not edit this line.
```

```
/Users/hgschmie/scratch/velocity/engine/src/java/org/apache/velocity/runtime/parser/Parser.jj */
```

```
/*@egen*/
```

```
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* specific language governing
permissions and limitations
* under the License.
*/
```

```
/*
```

```
* 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.
 */
private Hashtable directives = new Hashtable(0);

/**
 * Name of current template we are parsing. Passed to us in parse()
 */
String currentTemplateName = "";

VelocityCharStream velcharstream = null;

private RuntimeServices rsvc = null;

/**
 * This constructor was added to allow the re-use of parsers.
 * The normal constructor takes a single argument which
 * an InputStream. This simply creates a re-usable parser
 * object, we satisfy the requirement of an InputStream
 * by using a newline character as an input stream.
 */
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)
    {
        rsvc.getLog().error("Parser Error: " + templateName, e);
    }

    currentTemplateName = "";

    return sn;
}

/**
 * This method sets the directives Hashtable
 */
public void setDirectives(Hashtable directives)
{
    this.directives = directives;
}

/**
 * This method gets a Directive from the directives Hashtable
 */
public Directive getDirective(String directive)
{
    return (Directive) directives.get(directive);
}

/**
 * This method finds out if the directive exists in the directives
 * Hashtable.
 */
public boolean isDirective(String directive)
{
    return directives.containsKey(directive);
}

/**
 * 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
 *
 * @return boolean : success of operation
 */
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
*
* ----- */

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

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

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

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

```

<DIRECTIVE,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
 */
```

<DIRECTIVE>

TOKEN:

```
{
  /*
   * We will eat any whitespace upto and including a newline for directives
   */
  <RPAREN: ")" ( ( " " | "\t" ) * ( "\n" | "\r" | "\r\n" ) )?>
  {
    RPARENHandler();
  }
}
```

<REFMOD2>

TOKEN:

```
{
  /*
   * in REFMOD2, we don't want to bind the whitespace and \n like we
   * do when closing a directive.
   */
  <REFMOD2_RPAREN: ")">
  {
    /*
     * need to simply switch back to REFERENCE, not drop down the stack
     * because we can (infinitely) chain, ala
     * $foo.bar().blargh().woogie().doogie()
     */
  }
}
```

```

*/

SwitchTo( REFERENCE );
}
}

/*-----
*
* 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 recipe
* 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 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);
    }
}

| <"#*" ~["#"]>
{
    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:

```
{  
  <WHITESPACE : ([ " ", "\t", "\n", "\r"])+ >  
}
```

<DIRECTIVE,REFMOD2>

TOKEN :

```
{  
// <STRING_LITERAL: ( "\\" ( ~["\"", "\n", "\r"] )* "\" ) | ( "" ( ~["\"", "\n", "\r"] )* "" ) >  
< STRING_LITERAL:  
  ("\"  
  ( (~["\"", "\\\"]  
  | ("\"  
    ([ "n", "t", "b", "r", "f", "\\", "", "" ]  
    | ["0"-"7"] ( ["0"-"7"] ) ?  
    | ["0"-"3"] ["0"-"7"] ["0"-"7"]  
    )  
  )  
  | ( "\\\" ( " ) * "\n" )  
  ) *  
  "\"  
  )  
|  
("\"  
  ( (~["\""]  
  | ( "\\\" ( " ) * "\n" )  
  ) *  
  "\"  
  )  
>
```

```
{
```

```
/*  
* - if we are in DIRECTIVE and haven't seen ( yet, then also drop out.  
*   don't forget to account for the beloved yet wierd #set  
* - finally, if we are in REFMOD2 (remember : $foo.bar() then " is ok!
```



```

*/

    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);
}

```

```

| <ELSEIF_DIRECTIVE: "elseif" | "{elseif}" >

```

```

{
SwitchTo(DIRECTIVE);
}

```

```

| <ELSE_DIRECTIVE:

```

```

( "else" ( ( " " | "\t" ) * ( "\n" | "\r" | "\r\n" ) )? )
| ("else" ( ( " " | "\t" ) * ( "\n" | "\r" | "\r\n" ) )? ) >
{
inDirective = false;
stateStackPop();
}
}

```

```

| <STOP_DIRECTIVE: "stop" | "{stop}" >

```

```

{
inDirective = false;
stateStackPop();
}
}

```

<PRE_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);
    }

    /*
     * check to see if we are in set
     * ex. #set $foo = $foo + 3
     * because we want to handle the \n after
     */

    if ( lparen == 0 && !inSet && curLexState != REFMOD2)
    {
        stateStackPop();
    }
}

| <FLOATING_POINT_LITERAL:
    ("-"?) (<DIGIT>)+ "." (<DIGIT>)* (<EXPONENT>)?
    | ("-"?) "." (<DIGIT>)+ (<EXPONENT>)?
    | ("-"?) (<DIGIT>)+ <EXPONENT>
>
{
    /*
     * check to see if we are in set
     * ex. #set $foo = $foo + 3
     * because we want to handle the \n after
     */

    if ( lparen == 0 && !inSet && curLexState != REFMOD2)
    {
        stateStackPop();
    }
}
|
<#EXPONENT: ["e","E"] (["+","-"])? (["0"-"9"])+ >

```

```

}

<PRE_DIRECTIVE,DIRECTIVE>
TOKEN:
{
  <#LETTER: [ "a"-"z", "A" - "Z" ] >
| <#DIRECTIVE_CHAR: [ "a"-"z", "A"-"Z", "0"-"9", "_" ] >
|
  <WORD: ( <LETTER> | [ "_" ] ) ( <DIRECTIVE_CHAR> )* >
| <BRACKETED_WORD: "{" ( <LETTER> | [ "_" ] ) ( <DIRECTIVE_CHAR> )* "}" >
}

```

```

/* -----
*
* 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
* | re stateStack.
* |--> 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", "-", "_" ] >
| <IDENTIFIER: ( <ALPHA_CHAR> | [ "_" ] ) ( <IDENTIFIER_CHAR> )* >
| <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;
    jjtree.openNodeScope(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.closeNodeScope(jjtn000, true);
    }
}
}
/* @egen */
}

/**
 * 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.
 */
void EscapedDirective() : { /* @bgen(jjtree) EscapedDirective */
    ASTEscapedDirective jjtn000 = new ASTEscapedDirective(this, JJTESCAPEDDIRECTIVE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
} /* @egen */
{ /* @bgen(jjtree) EscapedDirective */

```

```

    try {
/*@egen*/
    {
        Token t = null;
    }

    t = <ESCAPE_DIRECTIVE>/*@bgen(jjtree)*/
    {
        jjtree.closeNodeScope(jjtn000, true);
        jjtc000 = false;
    }
/*@egen*/
    {
        /*
        * 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*/}
{/*@bgen(jjtree) Comment */
    try {
/*@egen*/
<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;
jjtree.openNodeScope(jjtn000);
/*@egen*/}
{/*@bgen(jjtree) FloatingPointLiteral */
    try {
/*@egen*/
<FLOATING_POINT_LITERAL>/*@bgen(jjtree)*/
    } finally {
        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
}
/*@egen*/
}

void IntegerLiteral()
: {/*@bgen(jjtree) IntegerLiteral */
ASTIntegerLiteral jjtn000 = new ASTIntegerLiteral(this, JJTINTEGERLITERAL);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/}
{/*@bgen(jjtree) IntegerLiteral */
    try {
/*@egen*/
<INTEGER_LITERAL>/*@bgen(jjtree)*/
    } finally {

```

```

        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
    /*@egen*/
}

void StringLiteral() : {/*@bgen(jjtree) StringLiteral */
    ASTStringLiteral jjtn000 = new ASTStringLiteral(this, JJTSTRINGLITERAL);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    {/*@bgen(jjtree) StringLiteral */
        try {
            /*@egen*/
            <STRING_LITERAL>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    }
    /*@egen*/
}

/**
 * This method corresponds to variable
 * references in Velocity templates.
 * The following are examples of variable
 * references that may be found in
 * a
 * template:
 *
 * $foo
 * $bar
 *
 */
void Identifier() : {/*@bgen(jjtree) Identifier */
    ASTIdentifier jjtn000 = new ASTIdentifier(this, JJTIDENTIFIER);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    {/*@bgen(jjtree) Identifier */
        try {
            /*@egen*/
            <IDENTIFIER>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    }
}

```

```

    }
  }
  /*@egen*/
}

void Word() : {/*@bgen(jjtree) Word */
  ASTWord jjtn000 = new ASTWord(this, JJTWORD);
  boolean jjtc000 = true;
  jjtree.openNodeScope(jjtn000);
  /*@egen*/
  {/*@bgen(jjtree) Word */
    try {
      /*@egen*/
      <WORD>/*@bgen(jjtree)*/
    } finally {
      if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
      }
    }
  }
  /*@egen*/
}

/**
 * Supports the arguments for the Pluggable Directives
 */
int DirectiveArg() : {}
{
  Reference()
  {
    return ParserTreeConstants.JJTREFERENCE;
  }
| Word()
  {
    return ParserTreeConstants.JJTWORD;
  }
| StringLiteral()
  {
    return ParserTreeConstants.JJTSTRINGLITERAL;
  }

| IntegerLiteral()
  {
    return ParserTreeConstants.JJTINTEGERLITERAL;
  }
  /*
   * Need to put this before the floating point expansion
   */
| LOOKAHEAD( <LBRACKET> [<WHITESPACE>] ( Reference() | IntegerLiteral()) [<WHITESPACE>]

```

```

<DOUBLEDOT> ) IntegerRange()
{
    return ParserTreeConstants.JJTINTEGERRANGE;
}
| FloatingPointLiteral()
{
    return ParserTreeConstants.JJTFLOATINGPOINTLITERAL;
}
| Map()
{
    return ParserTreeConstants.JJTMAP;
}
| ObjectArray()
{
    return ParserTreeConstants.JJTOBJECTARRAY;
}
| True()
{
    return ParserTreeConstants.JJTTRUE;
}
| False()
{
    return ParserTreeConstants.JJTFALSE;
}
}

/**
 * Supports the Pluggable Directives
 * #foo( arg+ )
 */
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.JJTWORD)
        {
            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(jjtree) Block */
{
    ASTBlock jjtn001
= new ASTBlock(this, JJTBLOCK);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
}
try {
/*@egen*/

/*
* and the following block if the PD needs it
*/

( 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*/
<END>/*@bgen(jjtree)*/
{
  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);
    }
}
/*@egen*/
}

/**
 * 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);
    /*@egen*/}
{/*@bgen(jjtree) Map */
    try {
/*@egen*/
    <LEFT_CURLEY>
    (
        LOOKAHEAD(2) Parameter() <COLON> Parameter() (<COMMA> Parameter() <COLON> Parameter() )*
        |
        [ <WHITESPACE> ]
    )
    <RIGHT_CURLEY>/*@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 ObjectArray() : {/*@bgen(jjtree) ObjectArray */
ASTObjectArray jjtn000 = new ASTObjectArray(this, JJTOBJECTARRAY);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/}
{/*@bgen(jjtree) ObjectArray */
    try {
/*@egen*/
<LBRACKET> [ Parameter() ( <COMMA> Parameter() )* ] <RBRACKET>/*@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*/
}

```

```

/**
 * 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);
    /*@egen*/
    { /*@bgen(jjtree) IntegerRange */
        try {
            /*@egen*/
            <LBRACKET> [<WHITESPACE>]
            ( Reference() | IntegerLiteral()
            [<WHITESPACE>] <DOUBLEDOT> [<WHITESPACE>]
            (Reference() | IntegerLiteral()
            [<WHITESPACE>] <RBRACKET> /*@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*/
}

/**
 * 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>]
}

/**
 * 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 {
            /*@egen*/
            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() | Identifier() ))*
        )
        |
        (
            <LCURLY>

            <IDENTIFIER>
            (LOOKAHEAD(2) <DOT> (LOOKAHEAD(3) Method() | Identifier() ))*
            <RCURLY>
        )/*@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 True() : {/*@bgen(jjtree) True */
    ASTTrue jjtn000 = new ASTTrue(this, JJTRUE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    {/*@bgen(jjtree) True */
        try {
            /*@egen*/
            <TRUE>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000,
                true);
            }
        }
    }
    /*@egen*/
}

void False() : {/*@bgen(jjtree) False */
    ASTFalse jjtn000 = new ASTFalse(this, JJFALSE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    {/*@bgen(jjtree) False */
        try {
            /*@egen*/
            <FALSE>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    }
    /*@egen*/
}

/**
 * This method is responsible for allowing
 * all non-grammar text to pass through
 * unscathed.
 */
void Text() : {/*@bgen(jjtree) Text */
    ASTText jjtn000 = new ASTText(this, JJTEXT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);

```

```

/*@egen*/}
{/*@bgen(jjtree) Text */
  try {
/*@egen*/
  <TEXT>
  | <DOT>
  | <RPAREN>
  | <LPAREN>
  | <INTEGER_LITERAL>
  | <FLOATING_POINT_LITERAL>
  | <STRING_LITERAL>
  | <ESCAPE>
  | <LCURLY>
  | <RCURLY>/*@bgen(jjtree)*/
  } finally {
    if (jjtc000) {
      jjtree.closeNodeScope(jjtn000, true);
    }
  }
/*@egen*/
}

/* -----
*
* Defined Directive Syntax
*
* -----*/

void IfStatement() : {/*@bgen(jjtree) IfStatement */
  ASTIfStatement jjtn000 = new ASTIfStatement(this, JJTIFSTATEMENT);
  boolean jjtc000 = true;
  jjtree.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);
    }
}
/*@egen*/
}

void ElseStatement() : {/*@bgen(jjtree) ElseStatement */
    ASTElseStatement jjtn000
    = new ASTElseStatement(this, JJTELSESTATEMENT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
/*@egen*/}

```

```

/*@bgen(jjtree) ElseStatement */
try {
/*@egen*/
<ELSE_DIRECTIVE>/*@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*//*@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 ElseIfStatement() : {/*@bgen(jjtree) ElseIfStatement */
    ASTElseIfStatement jjtn000 = new ASTElseIfStatement(this, JJTELSEIFSTATEMENT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
}
{/*@bgen(jjtree) ElseIfStatement */
    try {
        /*@egen*/
        <ELSEIF_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*//*@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;
            }
            [<NEWLINE>] )/*@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*/
}

/**
 * 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() : {/*@bgen(jjtree) #Stop( 0) */
    ASTStop jjtn000 = new ASTStop(this, JJTSTOP);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/}
    {/*@bgen(jjtree) #Stop( 0) */
        try {
            /*@egen*/
            <STOP_DIRECTIVE>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, 0);
            }
        }
    }
    /*@egen*/
}

/* -----
 *
 * Expression Syntax
 *
 * -----*/

```

```

void
Expression() : {/*@bgen(jjtree) Expression */
ASTExpression jjtn000 = new ASTExpression(this, JJTEXPRESSION);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/}
{/*@bgen(jjtree) Expression */
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 {
/*@egen*/ 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;
        }
        throw (Error)jjte002;
    } finally {

```

```

        if (jjtc002) {
            jjtree.closeNodeScope(jjtn002, 2);
        }
    }
}

/*@egen*/
)*
}

void RelationalExpression() : {}
{
    AdditiveExpression()
    (
        <LOGICAL_LT>/*@bgen(jjtree) #LTNode( 2) */
        {

            ASTLTNode jjtn001 = new ASTLTNode(this, JJTLTNode);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
/*@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*/
| <LOGICAL_GT>/*@bgen(jjtree) #GTNode( 2) */
{
    ASTGTNode jjtn002 = new ASTGTNode(this, JJTGTNode);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
}

```

```

        try {
/* @egen*/ AdditiveExpression()/* @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*/
        | <LOGICAL_LE>/* @bgen(jjtree) #LENODE( 2) */
        {
            ASTLENODE jjtn003 = new ASTLENODE(this, JJTLENODE);
            boolean jjtc003 = true;
            jjtree.openNodeScope(jjtn003);
        }
        try {
/* @egen*/ AdditiveExpression()/* @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*/
| <LOGICAL_GE>/*@bgen(jjtree) #GENode( 2) */
{
    ASTGENode jjtn004 = new ASTGENode(this, JJTGENODE);
    boolean jjtc004 = true;
    jjtree.openNodeScope(jjtn004);
}
try {
/*@egen*/ 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*/
)*
}

void AdditiveExpression() : {}
{
    MultiplicativeExpression()
(
    <PLUS>/*@bgen(jjtree) #AddNode( 2) */
    {
        ASTAddNode jjtn001 = new ASTAddNode(this,
JJTADDNODE);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {

```

```

/*@egen*/ MultiplicativeExpression()/*@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 {
/*@egen*/ 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 {
/*@egen*/ 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 {
/*@egen*/ 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*/

```

```

)*
}

void UnaryExpression() : {}
{
    LOOKAHEAD(2) [<WHITESPACE>] <LOGICAL_NOT> /*@bgen(jjtree) #NotNode( 1)
*/
        {
            ASTNotNode jjtn001 = new ASTNotNode(this, JJTNOTNODE);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
/*@egen*/ 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, 1);
            }
        }

/*@egen*/
| 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 a 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 preceding whitespace. The only exception is #set, which also eats preceding 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

1.146 listenablefuture 9999.0

1.146.1 Available under license :

Doug Lea

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1.147 libglvnd 1.0.0-2ubuntu2.3

1.147.1 Available under license :

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

Upstream-Name: libglvnd

Source: <https://github.com/NVIDIA/libglvnd>

Files: *

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Files: include/c99_compat.h

Copyright: 2007-2013 VMware, Inc

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Files: include/glvnd_list.h

Copyright: 2010 Intel Corporation

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Files: include/KHR/khrplatform.h

include/GL/glxext.h

include/GL/glxext.h

include/EGL/egl.h

include/EGL/eglext.h

include/EGL/eglplatform.h

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Files: include/compiler.h

include/GL/gl.h

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1999-2006 Brian Paul

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Files: include/GL/glx.h
include/glheader.h
src/GLdispatch/vnd-glapi/glapi.h
src/GLdispatch/vnd-glapi/u_execmem.c
Copyright: 1999-2008 Brian Paul
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Files: m4/ax_check_enable_debug.m4
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Files: src/generate/gen_gldispatch_mapi.py
src/GLdispatch/vnd-glapi/entry_common.c
src/GLdispatch/vnd-glapi/entry_x86_64_common.c
src/GLdispatch/vnd-glapi/entry_x86_64_tsd.c
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Files: src/GLdispatch/vnd-glapi/entry.h
src/GLdispatch/vnd-glapi/mapi_tmp.h
src/GLdispatch/vnd-glapi/entry_x86_64_tls.c
src/GLdispatch/vnd-glapi/stub.h
src/GLdispatch/vnd-glapi/table.h
src/GLdispatch/vnd-glapi/entry_x86_tsd.c
src/GLdispatch/vnd-glapi/stub.c
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Files: src/GLdispatch/vnd-glapi/u_current_tsd.c
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Files: src/GLdispatch/vnd-glapi/mapi_glapi.c

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Files: debian/*

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1.148 libsndfile 1.0.28-4ubuntu0.18.04.1

1.148.1 Available under license :

From: Fabian Greffrath <fabian@greffrath.com>

Date: Thu, 28 Sep 2017 12:15:04 +0200

Subject: double64_init: Check psf->sf.channels against upper bound

This prevents division by zero later in the code.

While the trivial case to catch this (i.e. `sf.channels < 1`) has already been covered, a crafted file may report a number of channels that is so high (i.e. `> INT_MAX/sizeof(double)`) that it "somehow" gets miscalculated to zero (if this makes sense) in the determination of the blockwidth. Since we only support a limited number of channels anyway, make sure to check here as well.

CVE-2017-14634

Closes: <https://github.com/erikd/libsndfile/issues/318>

Signed-off-by: Erik de Castro Lopo <erikd@mega-nerd.com>

src/double64.c | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

diff --git a/src/double64.c b/src/double64.c

index b318ea8..78dfef7 100644

--- a/src/double64.c

```
+++ b/src/double64.c
@@ -91,7 +91,7 @@ int
double64_init (SF_PRIVATE *psf)
{ static int double64_caps ;

- if (psf->sf.channels
< 1)
+ if (psf->sf.channels < 1 || psf->sf.channels > SF_MAX_CHANNELS)
{ psf_log_printf (psf, "double64_init : internal error : channels = %d\n", psf->sf.channels) ;
return SFE_INTERNAL ;
} ;
```

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

Upstream-Name: libsndfile

Upstream-Contact: Erik de Castro Lopo <erikd@mega-nerd.com>

Source: <https://github.com/erikd/libsndfile/>

Files: *

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Files: src/*

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Files: src/GSM610/*

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Files: src/ALAC/shift.h

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Files: src/G72x/*

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Files: src/*ima_oki*

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Files: src/aiff.c

src/wav.c

src/wavlike.c

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2004-2005, David Viens <davidv@plogue.com>

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Files: src/*.py

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Files: src/sndfile.hh

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Files: src/ogg_vorbis.c
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2007, John ffitc
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2012, IOhannes m zmoelnig, IEM <zmoelnig@iem.at>
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2003, Ross Bencina <rbencina@iprimus.com.au>

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Files: programs/common.c

programs/sndfile-metadata-*.c

Copyright: 1999-2016, Erik de Castro Lopo <erikd@mega-nerd.com>

2008-2010, George Blood Audio

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Files: programs/sndfile-cmp.c

Copyright: 2008, Conrad Parker <conrad@metadecks.org>

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Files: programs/sndfile-play-beos.cpp

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Files: examples/*

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Files: examples/sndfilehandle.cc

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Octave/sndfile_play.m

Octave/sndfile_save.m

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Files: M4/stack_protect.m4

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Files: M4/ax_add_fortify_source.m4

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Files: M4/extra_pkg.m4

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Files: debian/*

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1.149 objenesis 1.0

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1.151 doxia-module-apt 1.0

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*

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* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/closure/WrongClosureInvocationException.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/Chooser.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-

jar/ch/lambdaaj/function/aggregate/SumInteger.java
*
/opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/util/iterator/ResettableIteratorOnArray.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/group/LeafGroup.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/convert/ConstructorArgumentConverter.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/aggregate/Concat.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/collection/LambdaIterator.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/closure/ProxyClosure.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/group/Group.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/collection/LambdaCollection.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/group/GroupComparator.java
*
/opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/argument/Invocation.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/aggregate/PairAggregator.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/collection/LambdaCollections.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/convert/Converter.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/group/GroupConditions.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/proxy/InvocationInterceptor.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/collection/LambdaList.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/proxy/ProxyUtil.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/convert/AliasedArgumentConverter.java
*
/opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/function/aggregate/Min.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/convert/ArgumentConverter.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/closure/ClosuresFactory.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-jar/ch/lambdaaj/group/GroupImpl.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/collection/LambdaIterable.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/util/iterator/ResettableIteratorOnIterable.java
* /opt/cola/permits/1000522418_1646171478.7/0/lambdaaj-2-3-3-sources-
jar/ch/lambdaaj/function/compare/ArgumentComparator.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/convert/StringPropertyExtractor.java

*

/opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/util/NotUniqueItemException.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/Aggregator.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/argument/ProxyArgument.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/util/iterator/ResettableIterator.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/closure/Closure3.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/ChooserOnArgument.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/util/IntrospectionUtil.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/group/ArgumentGroupCondition.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/argument/ArgumentsFactory.java

*

/opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/ProxyAggregator.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/convert/DefaultStringConverter.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/group/Groups.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/closure/Closure1.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/matcher/LambdaJMatcher.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/convert/ConverterIterator.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/MinOnArgument.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/closure/DelayedClosure.java

*

/opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/convert/PropertyExtractor.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/MaxOnArgument.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/aggregate/SumDouble.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/function/closure/Switcher.java

* /opt/cola/permits/1000522418_1646171478.7/0/lambdaj-2-3-3-sources-jar/ch/lambdaj/group/StringGroupCondition.java

1.153 jsoup 1.6.1

1.154 generex 1.0.2

1.154.1 Available under license :

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```
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 *
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 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-
jar/com/mifmif/common/regex/GenerexIterator.java
* /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
```

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

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
```

```

<groupId>com.github.mifmif</groupId>
<artifactId>generex</artifactId>
<version>1.0.2</version>
<name>Generex</name>
<url>https://github.com/mifmif/Generex/tree/master</url>
<description>Generex A Java Library for regex to Strings generation</description>
<packaging>jar</packaging>
<licenses>
<license>
<name>The Apache Software License, Version 2.0</name>
<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
<distribution>repo</distribution>
</license>
</licenses>
<developers>
<developer>
<id>mifmif</id>
<name>MIFRAH Youssef</name>
<email>mifmif.com@gmail.com</email>
</developer>
<developer>
<id>mkolisnyk</id>
<name>mkolisnyk</name>
<email>kolesnik.nickolay@gmail.com</email>
</developer>
</developers>

<parent>
<groupId>org.sonatype.oss</groupId>
<artifactId>oss-parent</artifactId>
<version>7</version>
</parent>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<maven.pmd.excludes>*/generated-sources/**</maven.pmd.excludes>
</properties>
<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>

```

```
<type>mail</type>
</notifier>
<notifier>
  <address>kolesnik.nickolay@gmail.com</address>
</type>mail</type>
</notifier>
</notifiers>
</ciManagement>

<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
  </snapshotRepository>
  <repository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
</distributionManagement>

<build>
  <sourceDirectory>src/main/java</sourceDirectory>
  <testSourceDirectory>src/test/java</testSourceDirectory>
  <resources>
    <resource>
      <directory>src</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>target/dependency</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>src/main/resources</directory>
      <includes>
        <include>**/*.properties</include>
      </includes>
    </resource>
  </resources>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-install-plugin</artifactId>
```

```

<version>2.5.2</version>
<configuration>
  <file>target/${project.artifactId}-${project.version}.jar</file>
  <groupId>${project.groupId}</groupId>
  <artifactId>${project.artifactId}</artifactId>
  <version>${project.version}</version>
  <packaging>maven-plugin</packaging>
</configuration>
</plugin>

<plugin>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.5.1</version>
  <configuration>
    <source>1.5</source>
    <target>1.5</target>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
  <configuration>
    <excludes>
      <exclude>*</exclude>
      <exclude>com/thoughtworks/**/*</exclude>
      <exclude>freemarker/**/*</exclude>
      <exclude>ftl/**/*</exclude>
      <exclude>i18n/**/*</exclude>
      <exclude>style/**/*</exclude>
      <exclude>junit/**/*</exclude>
      <exclude>licenses/**/*</exclude>
      <exclude>META-INF/maven/**/*</exclude>
      <exclude>org/codehaus/**/*</exclude>
      <exclude>org/hamcrest/**/*</exclude>
      <exclude>org/jbehave/**/*</exclude>
      <exclude>org/junit/**/*</exclude>
      <exclude>org/testng/**/*</exclude>
      <exclude>org/xmlpull/**/*</exclude>
      <exclude>stories/**/*</exclude>
      <exclude>style/**/*</exclude>
      <exclude>tests/**/*</exclude>
    </excludes>
    <archive>
      <manifest>
        <addClasspath>>false</addClasspath>
        <addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
        <addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
      </manifest>
    </archive>
  </configuration>
</plugin>

```

```

    <addExtensions>>false</addExtensions>
    <classpathLayoutType>simple</classpathLayoutType>
  </manifest>
</archive>
</configuration>
</plugin>
<plugin>
  <artifactId>maven-assembly-plugin</artifactId>
  <version>2.6</version>
  <configuration>
    <descriptors>
      <descriptor>./sources.xml</descriptor>
    </descriptors>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-dependency-plugin</artifactId>
  <version>2.10</version>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.3</version>
  <configuration>
    <show>private</show>
    <nohelp>>false</nohelp>
    <failOnError>>false</failOnError>
    <sourcepath>src/main/java</sourcepath>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-release-plugin</artifactId>
  <configuration>
    <tagNameFormat>v@ { project.version } </tagNameFormat>
    <preparationGoals>package
install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
    <skip>>true</skip>
  </configuration>

```

</plugin>

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
  <executions>
    <execution>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>
```

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>
```

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-gpg-plugin</artifactId>
  <executions>
    <execution>
      <id>sign-artifacts</id>
      <phase>deploy</phase>
      <goals>
        <goal>sign</goal>
      </goals>
    </execution>
  </executions>
```

</plugin>

```

<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.3</version>
  <executions>
    <execution>
      <id>default-deploy</id>
      <phase>deploy</phase>
      <goals>
        <goal>deploy</goal>
      </goals>
    </execution>
  </executions>
  <extensions>true</extensions>
  <configuration>
    <serverId>ossrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-pmd-plugin</artifactId>
  <version>3.6</version>
  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludeRoots>
      <excludeRoot>target/generated-sources/plugin</excludeRoot>
    </excludeRoots>
    <excludes>
      <exclude>*/HelpMojo.java</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
        <goal>cpd-check</goal>
      </goals>
      <configuration>
        <failOnViolation>true</failOnViolation>
        <excludes>
          <exclude>*/HelpMojo.java</exclude>
        </excludes>
      </configuration>
    </execution>
  </executions>
</plugin>
<plugin>

```



```

<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-checkstyle-plugin</artifactId>
<version>2.10</version>
<configuration>
  <excludes>**/test/java/**/*.*.java</excludes>
  <configLocation>./sun_checks.xml</configLocation>
  <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
  <failOnViolation>true</failOnViolation>
</configuration>
<executions>
  <execution>
    <goals>
      <goal>check</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>cobertura-maven-plugin</artifactId>
  <version>2.6</version>
  <configuration>
    <check>
      <haltOnFailure>>false</haltOnFailure>
      <totalBranchRate>80</totalBranchRate>
      <totalLineRate>80</totalLineRate>
      <packageLineRate>80</packageLineRate>
      <packageBranchRate>80</packageBranchRate>
    </check>
    <instrumentation>
      <excludes>
        <exclude>**/HelpMojo.class</exclude>
      </excludes>
    </instrumentation>
  </configuration>
  <executions>
    <execution>
      <id>verification</id>
      <phase>verify</phase>
      <goals>
        <goal>check</goal>
        <goal>cobertura</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>

```

```

<artifactId>javancss-maven-plugin</artifactId>
<version>2.0</version>
<configuration>
  <encoding>${project.build.sourceEncoding}</encoding>
  <ccnLimit>15</ccnLimit>
  <ncssLimit>100</ncssLimit>
  <failOnViolation>true</failOnViolation>
  <excludes>
    <exclude>**/tests/**/*.*</exclude>
  </excludes>
</configuration>
<executions>
  <execution>
    <goals>
      <goal>check</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.1</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
  <groupId>dk.brics.automaton</groupId>
  <artifactId>automaton</artifactId>
  <version>1.11-8</version>

```

```
</dependency>
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.12</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>org.hamcrest</groupId>
  <artifactId>hamcrest-junit</artifactId>
  <version>2.0.0.0</version>
  <scope>test</scope>
</dependency>
</dependencies>
</project>
```

Found

in path(s):

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

1.155 xorgproto 2018.4-4

1.155.1 Available under license :

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1.156 pythonurllib 1.22-1ubuntu0.18.04.1

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Contributions to the urllib3 project

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Contributors

In chronological order:

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

* HTTPS patch (which inspired HTTPSConnectionPool)

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

* NTLM-authenticated HTTPSConnectionPool

* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>

* Client-verified SSL certificates for HTTPSConnectionPool

* Response gzip and deflate encoding support

* Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>

* Non-multipart encoding for POST requests

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

* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>

* Bugfixes, suggestions, Requests integration

* georgemarshall <<http://github.com/georgemarshall>>

* Bugfixes, Improvements and Test coverage

*

- Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support
- * brandon-rhodes <<http://rhodesmill.org/brandon>>
* Design review, bugfixes, test coverage.
- * studer <theo.studer@gmail.com>
* IPv6 url support and test coverage
- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
* Support for explicitly closing pooled connections
- * hartator <hartator@gmail.com>
* Corrected multipart behavior for params
- * Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite
- * Sune Kirkeby <mig@ibofobi.dk>
* Optional SNI-support for Python 2 via PyOpenSSL.
- * Marc Schlaich <marc.schlaich@gmail.com>
* Various bugfixes and test improvements.
- * Bryce Boe <bbzbryce@gmail.com>
* Correct six.moves conflict
* Fixed pickle support of some exceptions
- * Boris Figovsky <boris.figovsky@ravello systems.com>
* Allowed to skip SSL hostname verification
- * Cory Benfield
<<http://lukasa.co.uk/about/>>
* Stream method for Response objects.
* Return native strings in header values.
* Generate 'Host' header when using proxies.
- * Jason Robinson <jaywink@basshero.org>
* Add missing WrappedSocket.fileno method in PyOpenSSL
- * Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
* Fixed a race condition
- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
* Added HTTPS (CONNECT) proxy support

- * Stephen Holsapple <sholsapp@gmail.com>
- * Added abstraction for granular control of request fields

- * Martin von Gagern <Martin.vGagern@gmx.net>
- * Support for non-ASCII header parameters

- * Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- * Support for separate connect and request timeouts

- * Peter Waller <p@pwaller.net>
- * HTTPResponse.tell() for determining amount received over the wire

- * Nipunn Koorapati <nipunn1313@gmail.com>
- * Ignore default ports when comparing hosts for equality

- * Danilo @dbrgn <http://dbrgn.ch/>
- * Disabled TLS compression by default on Python 3.2+
- * Disabled TLS compression in pyopenssl contrib module
- * Configurable cipher suites in pyopenssl contrib module

- * Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- * Account retries on proxy errors

- * Nicolas Delaby <nicolas.delaby@ezeep.com>
- * Use the platform-specific CA certificate locations

- * Josh Schneier <https://github.com/jschneier>
- * HTTPHeaderDict and associated tests and docs
- * Bugfixes, docs, test coverage

- * Tahia Khan <http://tahia.tk/>
- * Added Timeout examples in docs

- * Arthur Grunseid <http://grunseid.com>
- * source_address support and tests (with https://github.com/bui)

- * Ian Cordasco <graffatcolmingov@gmail.com>
- * PEP8 Compliance and Linting
- * Add ability to pass socket options to an HTTP Connection

- * Erik Tollerud <erik.tollerud@gmail.com>
- * Support for standard library io module.

- * Krishna Prasad <kprasad.iitd@gmail.com>
- * Google App Engine documentation

- * Aaron Meurer <asmeurer@gmail.com>

- * Added `Url.url`, which unparses a `Url`

- * Evgeny Kapun <abacabadabacaba@gmail.com>
- * Bugfixes

- * Benjamin Meyer <bm_witness@yahoo.com>
- * Security Warning Documentation update for proper capture

- * Shivan Sornarajah <github@sornars.com>
- * Support for using `ConnectionPool` and `PoolManager` as context managers.

- * Alex Gaynor <alex.gaynor@gmail.com>
- * Updates to the default SSL configuration

- * Tomas Tomecek <ttomecek@redhat.com>
- * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>
- * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
- * IPv6 bugfixes in testsuite

- * Jon Wayne Parrott <jonwayne@google.com>
- * App Engine environment tests.

- * John Krauss <https://github.com/talos>
- * Clues to debugging problems with ``cryptography`` dependency in docs

- * Disassem <https://github.com/Disassem>
- * Fix pool-default headers not applying for url-encoded requests like GET.

- * James
Atherfold <jlatherfold@hotmail.com>
- * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
- * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
- * Fix low-level exceptions leaking from ```HTTPResponse.stream()```.
- * Bugfix for ```ConnectionPool.urlopen(release_conn=False)```.
- * Creation of ```HTTPConnectionPool.ResponseCls```.

- * Predrag Gruevski <https://github.com/obi1kenobi>
- * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <https://github.com/a-tal>

- * Bugfix to ca_cert file paths.

- * Evan Meagher <<https://evanmeagher.net>>
 - * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
 - * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@gmail.com>
 - * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
 - * Logging efficiency improvements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
 - * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jesse Shapiro <jesse@jesseshapiro.net>
 - * Various character-encoding fixes/tweaks
 - * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <<http://dafoster.net/>>
 - * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
 - * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
 - * History list to Retry object.
 - * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
 - * Ensure timeouts are not booleans and greater than zero.
 - * Fixed infinite loop in ``stream`` when amt=None.
 - * Added length_remaining to determine remaining data to be read.
 - * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
 - * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
 - * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
 - * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

1.157 iconv 2.27

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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.

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 appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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but may differ in detail to address new problems or concerns.

Each

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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.>

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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:

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!

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying,

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To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

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

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source

includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
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- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your

work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in

the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the

Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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1.164 jackson-annotations 2.9.9

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1.165 jackson-datatype-jsr310 2.9.9

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1.166 core-module 1.2.3

1.167 httpcomponents-core 4.4.4

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 */
```

Found in path(s):

```
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Singleton.java
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Inject.java
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Scope.java
*
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Qualifier.java
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Named.java
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/Provider.java
* /opt/cola/permits/1000738314_1646171489.14/0/javax-inject-1-sources-jar/javax/inject/package-info.java
```


1.169 commons-io 2.4

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Mailing Address: 7717 S 167th Street, Omaha, Ne. 68136

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Full name: Jan Bartel

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LBDVaad1bJ1v1EHY901kPcg=
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Date: 2012-07-17

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Version: GnuPG v1.4.10 (GNU/Linux)

iQEcBAEBAgAGBQJQBb4tAAoJEMHhjBmtgF91HDcH/2nQDPuPztWFrBifnEoLF6Jl
RUkfJzAPZaLDtDMfiDz7ucdRL1RDodmz4VIF2+fbKeBYQquZXfXIeEghz+tKriK3
0M12guFkNLDteQp9h2p3Zu9JU3K0y4m84IDWq72HRmh1nRyD6lzZFhDGZ/D+69fF
tgYG0FwEit00MAq/1RbsXHLpBOY+Jyh/Xy+QRnQTcAQ+tAgOlxds3w+JSs2sGdes
YLAJQQacLeGh7EzD3F+CKuiwT4c5ub64LdXSIAVj1u2OjZBfqLaJ3FA60Ti+I3kn
FNWKpzaeX+SQgMak6hsuatXi6EsVvk6sIaskwEgl6+Xk+HYWY23ZQ8BKQRLKOZTw=
=gAqN

-----END

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Full name: James Strachan

E-Mail: jstrachan@apache.org

Mailing Address: 1A Leigh Road, London, UK, N5 1ST

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Date: January 30th 2006

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Version: GnuPG v1.4.1 (Darwin)

iD8DBQFD37/4dL6IZr4c+6kRAtsIAJ41tfd3lj4OM6sIMfJfTOdYdT1bxwCdGgWv
8sfMxEDZquIqhVbfZU2c76U=
=8WW7

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Hash: SHA1

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Full name: Nicanor Gonzalez

E-Mail: ngonzalez@exist.com

Mailing Address: 37 TwinHill St., New Manila Rolling Hills, Q.C., Philippines

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Date: July 14, 2006

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Version: GnuPG v1.4.4 (MingW32)

iD8DBQFEt1ZxHR/ESK2w6H8RApbOAJ9c1eooNr2oN59WZVtJExGJjUvKgCfaKji
6etDJ6AUj0jTuS159hUsWMQ=
=HmqH

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E-Mail: jules@coredevelopers.net

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Date: 10th March 2006

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Version: GnuPG v1.4.2.1 (GNU/Linux)

iD8DBQFEebh9SoT4b97cQk4RAnCMAKCuNGYLHa6n/Ot3GEdwCCLeQxsMPACdEhnE
I/stizRWWZZkeLbcglzdQCE=
=piHm

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Mailing Address: 4676 Admiralty Way, Suite 520
Marina Del Rey, CA 90292

Point of Contact:

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E-Mail: gordon.king@simulalabs.com

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Date:

Signature:

Name: Gordon King

Positions: Chief Operational Officer

Schedule A

Name	Date added
Simone Bordet	12 September 2006
_____	_____
_____	_____

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```
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mso-generic-font-family:swiss;
mso-font-pitch:variable;
mso-font-signature:553679495 -2147483648 8 0 66047 0;}
/* Style Definitions */
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p.MsoNormal, li.MsoNormal, div.MsoNormal
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margin:0in;
margin-bottom:.0001pt;
mso-pagination:widow-orphan;
font-size:12.0pt;
font-family:"Times New Roman";
mso-fareast-font-family:"Times New Roman";}

p
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mso-margin-bottom-alt:auto;
margin-left:0in;
mso-pagination:widow-orphan;
font-size:12.0pt;
font-family:"Times New Roman";
mso-fareast-font-family:"Times New Roman";}

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font-size:8.0pt;
font-family:Tahoma;
mso-fareast-font-family:"Times
New Roman";}

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mso-footer-margin:.5in;
mso-paper-source:0;}

div.Section1
{page:Section1;}

-->

</style>

</head><body style="" lang="EN-US">

<div class="Section1">

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Full name: Gregory John Wilkins
E-Mail: `gregw@eclipse.com`
Mailing Address: 62 Church St. Balmain, NSW 2041, Australia

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iD8DBQFEEaStXR9WPTAwnLARAjsNAJ4jBB6wCEqucFljGge7yrAMsrFv/gCgoMC+
5hdry6ZjXRcUhQEyNz2F/T4=
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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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

Assorted

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1.173 jctools-core 2.1.1

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1.174 jetty-continuation 9.4.11.v20180605

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Found in path(s):

```
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationListener.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationThrowable.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/Continuation.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/Servlet3Continuation.java
*
/opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationFilter.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/package-info.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/FauxContinuation.java
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationSupport.java
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Found in path(s):

```
* /opt/cola/permits/1000738325_1607697711.63/0/jetty-continuation-9-4-11-v20180605-sources-1-jar/about.html
```

1.175 commons-codec 1.10

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`src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java`

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1.176 jersey-guava 2.25.1

1.177 javax-inject 2.5.0

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1.178 jline 0.9.94

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```
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ANSIBuffer.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/Completor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ConsoleReader.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/MultiCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/SimpleCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/Terminal.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-
jar/jline/CandidateCycleCompletionHandler.java
*
/opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ArgumentCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ClassNameCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/CursorBuffer.java
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* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/UnsupportedTerminal.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-
jar/jline/CandidateListCompletionHandler.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/History.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/UnixTerminal.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ConsoleReaderInputStream.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/CompletionHandler.java
*
/opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ConsoleRunner.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/NullCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/FileNameCompletor.java
* /opt/cola/permits/1000738731_1646171490.77/0/jline-0-9-94-sources-jar/jline/ConsoleOperations.java
```

1.179 tiger-types 1.4

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* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/TypeVisitor.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/Lister.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/Types.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-

jar/org/jvnet/tiger_types/ParameterizedTypeImpl.java

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1.180 joda-time 2.9.9

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20180516ubuntu1~18.04.1

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1.187 heimdal 7.5.0+dfsg-1

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Tom's fast math (bignum support) and LibTomMath

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@heading Doug Rabson

GSS-API mechglue layer.

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@table

@asis

@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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lib/hcrypto/test_dh.c

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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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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

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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

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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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- 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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1.189 libcap-ng 0.7.7-3.1

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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.

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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root function must still compute square roots.)

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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)

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/*
 * \$Id: GenericCache.java,v 1.8 2003/11/07 20:16:25 dfs Exp \$
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/*

* \$Id: PatternCacheLRU.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*
 * \$Id: PatternMatcherInput.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$
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jar/org/apache/oro/text/regex/PatternMatcherInput.java

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/*

* \$Id: CacheLRU.java,v 1.10 2003/11/07 20:16:25 dfs Exp \$

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* \$Id: PatternMatcher.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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* \$Id: QuestionNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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* \$Id: AwkMatchResult.java,v 1.8 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.
 * <p>
 * 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.
 * <p>
 * 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.
 * <p>
 * This method is usually used in a loop as follows:
 * <blockquote><pre>
 * 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.
* }
*
* </pre></blockquote>
* <p>
* @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.
*/

```

Found in path(s):

* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/org/apache/oro/text/awk/AwkMatcher.java

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* \$Id: GenericCacheEntry.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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 jar/org/apache/oro/util/GenericCacheEntry.java

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/*

* \$Id: Perl5Compiler.java,v 1.21 2003/11/07 20:16:25 dfs Exp \$

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/*

* \$Id: PatternCacheFIFO.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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* \$Id: DefaultMatchAction.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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* \$Id: Perl5MatchResult.java,v 1.8 2003/11/07 20:16:25 dfs Exp \$

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/*

* \$Id: GenericPatternCache.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*

* \$Id: streamInputExample.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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* $Id: NegativeCharacterClassNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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* \$Id: CharStringPointer.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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jar/org/apache/oro/text/regex/CharStringPointer.java

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* \$Id: grep.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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* \$Id: substituteExample.java,v 1.8 2003/11/07 20:16:23 dfs Exp \$

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* \$Id: Perl5Pattern.java,v 1.8 2003/11/07 20:16:25 dfs Exp \$

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jar/org/apache/oro/text/regex/Perl5Pattern.java

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/*

* \$Id: matchesContainsExample.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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 jar/examples/awk/matchesContainsExample.java
 * /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/examples/matchesContainsExample.java

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/*

* \$Id: SyntaxNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*

* \$Id: splitExample.java,v 1.8 2003/11/07 20:16:23 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/examples/awk/splitExample.java

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/*

* \$Id: CacheFIFO2.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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* \$Id: substituteExample.java,v 1.9 2003/11/07 20:16:23 dfs Exp \$

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* \$Id: CharacterClassNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*

* \$Id: MalformedPerl5PatternException.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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 * /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-
 jar/org/apache/oro/text/regex/MalformedPatternException.java
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 * \$Id: LeafNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/org/apache/oro/text/awk/LeafNode.java

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/*

* \$Id: semicolon.java,v 1.8 2003/11/07 20:16:23 dfs Exp \$

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 * \$Id: MatchResult.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$
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jar/org/apache/oro/text/regex/MatchResult.java
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/*
* $Id: MatchAction.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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* \$Id: prefixExample.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/examples/awk/prefixExample.java

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* \$Id: matchResultExample.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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* \$Id: strings.java,v 1.3 2003/08/12 18:11:30 dfs Exp \$

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* \$Id: Perl5Matcher.java,v 1.27 2003/11/07 20:16:25 dfs Exp \$

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jar/org/apache/oro/text/regex/Perl5Matcher.java

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- * \$Id: EpsilonNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*

* \$Id: GlobCompiler.java,v 1.8 2003/11/07 20:16:24 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/org/apache/oro/text/GlobCompiler.java
No license file was found, but licenses were detected in source scan.

/*

* \$Id: MatchActionProcessor.java,v 1.10 2003/11/07 20:16:24 dfs Exp \$

*

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 jar/org/apache/oro/text/MatchActionProcessor.java

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 * \$Id: PatternCacheFIFO2.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$
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/*

* \$Id: StringSubstitution.java,v 1.8 2003/11/07 20:16:25 dfs Exp \$

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jar/org/apache/oro/text/regex/StringSubstitution.java

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/*

* \$Id: AwkStreamInput.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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 jar/org/apache/oro/text/awk/AwkStreamInput.java

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/*

* \$Id: jdfix.java,v 1.8 2003/11/07 20:16:23 dfs Exp \$

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/*

* \$Id: PatternCacheRandom.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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jar/org/apache/oro/text/PatternCacheRandom.java

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/*

* \$Id: PlusNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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/*

* \$Id: AwkCompiler.java,v 1.10 2003/11/07 20:16:24 dfs Exp \$

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jar/org/apache/oro/text/awk/AwkCompiler.java

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/*

* \$Id: Perl5Util.java,v 1.19 2003/11/07 20:16:25 dfs Exp \$

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```

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```

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- * /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/examples/printPasswd.java

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

```
/*
 * $Id: MalformedCachePatternException.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
 *
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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-
jar/org/apache/oro/text/MalformedCachePatternException.java

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/*

* \$Id: oroToApache.java,v 1.7 2003/11/07 20:16:26 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/tools/oroToApache.java
 No license file was found, but licenses were detected in source scan.

/*
 * \$Id: Substitution.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$
 *
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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-jar/org/apache/oro/text/regex/Substitution.java
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/*

* \$Id: filter.java,v 1.8 2003/11/07 20:16:23 dfs Exp \$

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/*

* \$Id: Perl5Repetition.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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* /opt/cola/permits/1000740375_1646171523.75/0/oro-2-0-8-sources-
jar/org/apache/oro/text/regex/Perl5Repetition.java

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/*

* \$Id: OpCode.java,v 1.11 2003/11/07 20:16:25 dfs Exp \$

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/*
* $Id: RegexFilenameFilter.java,v 1.9 2003/11/07 20:16:23 dfs Exp $
*

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jar/org/apache/oro/io/RegexFilenameFilter.java
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/*
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* $Id: StarNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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* \$Id: MatchActionInfo.java,v 1.8 2003/11/07 20:16:24 dfs Exp \$

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* $Id: SyntaxTree.java,v 1.8 2003/11/07 20:16:24 dfs Exp $
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/*

* \$Id: ParsedSubstitutionEntry.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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jar/org/apache/oro/text/perl/ParsedSubstitutionEntry.java

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/*

* \$Id: Perl5FilenameFilter.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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 * \$Id: CatNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$
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/*

* \$Id: PatternCache.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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* \$Id: GlobFilenameFilter.java,v 1.7 2003/11/07 20:16:23 dfs Exp \$

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* \$Id: Pattern.java,v 1.7 2003/11/07 20:16:25 dfs Exp \$

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* \$Id: TokenNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp \$

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1.194 shared-mime-info 1.9-2

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1.196 jul-to-slf4j 1.7.25

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```

```
jar/org/slf4j/bridge/SLF4JBridgeHandler.java
```

1.197 sensible-utils 0.0.12

1.197.1 Available under license :

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Upstream-Name: sensible-utils

Upstream-Contact: Anibal Monsalve Salazar <anibal@debian.org>

Source: <https://alioth.debian.org/projects/collab-maint/sensible-utils.git>

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1.198 pango 1.40.14-1ubuntu0.1

1.198.1 Available under license :

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1.199 Icms 2.9-1ubuntu0.1

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\$Id\$

1.203 base-passwd 3.5.44

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Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

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```

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1.204 xdg-user-dirs 0.17-1ubuntu1

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```

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1.205 at-spi2-core 2.28.0-1

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1.206 dash 0.5.8-2.10

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1.207 util-linux 2.31.1-0.4ubuntu3.3

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1.209 libsm 1.2.2-1

1.209.1 Available under license :

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

```
--- libsm-1.2.2.orig/autogen.sh
+++ libsm-1.2.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srcdir/configure "$@"
+fi
--- libsm-1.2.2.orig/debian/README.source
+++ libsm-1.2.2/debian/README.source
```


@@ -0,0 +1,73 @@

+-----
+Quick Guide To Patching This Package For The Impatient
+-----

- +
+1. Make sure you have quilt installed
+2. Unpack the package as usual with "dpkg-source -x"
+3. Run the "patch" target in debian/rules
+4. Create a new patch with "quilt new" (see quilt(1))
+5. Edit all the files you want to include in the patch with "quilt edit"
+ (see quilt(1)).
+6. Write the patch with "quilt refresh" (see quilt(1))
+7. Run the "clean" target
in debian/rules
+
+Alternatively, instead of using quilt directly, you can drop the patch in to
+debian/patches and add the name of the patch to debian/patches/series.

+-----
+Guide To The X Strike Force Packages
+-----

- +
+The X Strike Force team maintains X packages in git repositories on
+git.debian.org in the pkg-xorg subdirectory. Most upstream packages
+are actually maintained in git repositories as well, so they often
+just need to be pulled into git.debian.org in a "upstream-*" branch.
+Otherwise, the upstream sources are manually installed in the Debian
+git repository.
+
+The .orig.tar.gz upstream source file could be generated using this
+"upstream-*" branch in the Debian git repository but it is actually
+copied from upstream tarballs directly.
+
+Due to X.org being highly modular, packaging all X.org applications
+as their own independent packages would have created too many Debian
+packages. For this reason,
some X.org applications have been grouped
+into larger packages: xutils, xutils-dev, x11-apps, x11-session-utils,
+x11-utils, x11-xfs-utils, x11-xkb-utils, x11-xserver-utils.
+Most packages, including the X.org server itself and all libraries
+and drivers are, however maintained independently.
+
+The Debian packaging is added by creating the "debian-*" git branch
+which contains the aforementioned "upstream-*" branch plus the debian/
+repository files.
+When a patch has to be applied to the Debian package, two solutions
+are involved:
+* If the patch is available in one of the upstream branches, it

+ may be git'cherry-picked into the Debian repository. In this
+ case, it appears directly in the .diff.gz.
+* Otherwise, the patch is added to debian/patches/ which is managed
+ with quilt as documented in /usr/share/doc/quilt/README.source.
+
+quilt is actually invoked by the Debian X packaging through a larger
+set of scripts called XSFBS. XSFBS brings some other X specific
+features
such as managing dependencies and conflicts due to the video
+and input driver ABIs.
+XSFBS itself is maintained in a separate repository at
+ git://git.debian.org/pkg-xorg/xsfb.git
+and it is pulled inside the other Debian X repositories when needed.
+
+The XSFBS patching system requires a build dependency on quilt. Also
+a dependency on \$(STAMP_DIR)/patch has to be added to debian/rules
+so that the XSFBS patching occurs before the actual build. So the
+very first target of the build (likely the one running autoreconf)
+should depend on \$(STAMP_DIR)/patch. It should also not depend on
+anything so that parallel builds are correctly supported (nothing
+should probably run while patching is being done). And finally, the
+clean target should depend on the xsfclean target so that patches
+are unapplied on clean.
+
+When the upstream sources contain some DFSG-nonfree files, they are
+listed in text files in debian/prune/ in the "debian-*" branch of
+the Debian repository. XSFBS' scripts
then take care of removing
+these listed files during the build so as to generate a modified
+DFSG-free .orig.tar.gz tarball.
--- libsm-1.2.2.orig/debian/changelog
+++ libsm-1.2.2/debian/changelog
@@ -0,0 +1,216 @@
+libsm (2:1.2.2-1) unstable; urgency=medium
+
+ * New upstream release.
+ * Remove Cyril from Uploaders.
+ * Rewrite debian/rules using dh. Bump compat to 9, get rid of xsfb.
+
+ -- Julien Cristau <jcristau@debian.org> Sun, 13 Jul 2014 01:57:15 +0200
+
+libsm (2:1.2.1-2) unstable; urgency=low
+
+ * Add missing \${misc:Depends} to libsm-doc.
+ * Add missing Replaces/Breaks on libsm-dev to the doc package. Thanks,
+ Sven Joachim!
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 09 Apr 2012 20:18:02 +0200

+
+libsm (2:1.2.1-1) unstable; urgency=low
+
+ * New upstream release.
+ * Drop 0001-sm.pc-don-t-export-a-dependency-on-ice.patch, applied upstream.
+ * Don't require (fake)root for debian/rules clean.
+ * Split the docs to a separate libsm-doc package
+
- mark libsm-dev Multi-Arch: same, and libsm-doc Multi-Arch: foreign
+ - don't build the docs in build-arch
+ * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 09 Apr 2012 17:55:48 +0200
+
+libsm (2:1.2.0-2) unstable; urgency=low
+
+ * Team upload.
+
+ [Steve Langasek]
+ * Build for multiarch.
+
+ [Julien Cristau]
+ * Remove David Nusinow and Brice Goglin from Uploaders.
+ * Bump Standards-Version to 3.9.2.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 11 Jun 2011 14:49:47 +0200
+
+libsm (2:1.2.0-1) unstable; urgency=low
+
+ [Julien Cristau]
+ * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no
+ good reason. Thanks, Colin Watson!
+ * Remove myself from Uploaders
+
+ [Cyril Brulebois]
+ * New upstream release.
+ * Bump xutils-dev build-dep for new macros.
+ * Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
+ * Pass --with-xmlto and --without-fop, we want html
and txt only.
+ * Kill *.xml in the doc directory, no point in shipping them.
+ * Ship *.html, *.css, and *.txt from the doc directory.
+ * Switch from --list-missing to --fail-missing for additional safety.
+ * Add myself to Uploaders.
+
+ -- Cyril Brulebois <kibi@debian.org> Mon, 08 Nov 2010 01:42:36 +0100
+
+libsm (2:1.1.1-1) unstable; urgency=low

+
 + * New upstream release.
 + * Move libsm6-dbg to 'debug' section.
 + * Drop x11-common (pre-)dependencies, this isn't needed anymore.
 + * Bump libice-dev build-dep to 2:1.0.5.
 + * Bump xutils-dev build-dep to 1:7.4+4 for new util-macros.
 + * Add README.source from xsfbs, bump Standards-Version to 3.8.3.
 + * Look for space-separated DEB_BUILD_OPTIONS.
 +
 + -- Julien Cristau <jcristau@debian.org> Tue, 25 Aug 2009 17:58:18 +0200
 +
 +libsm (2:1.1.0-2) unstable; urgency=low
 +
 + * Upload to unstable.
 +
 + -- Julien Cristau <jcristau@debian.org> Mon, 16 Feb 2009 01:33:27 +0100
 +
 +libsm (2:1.1.0-1) experimental; urgency=low
 +
 + [Brice
 Goglin]
 + * Use \${binary:Version} instead of the deprecated \${Source-Version}.
 +
 + [Julien Cristau]
 + * New upstream release.
 + - generate client IDs using libuuid instead of gethostbyname()
 + * Switch to running autoreconf at build time; clean up in debian/rules
 + clean, and build-depend on automake, libtool and xutils-dev.
 + * Drop -1 debian revisions from build-deps.
 + * Stop handling nostrip explicitly in debian/rules (dh_strip does it
 + already), and allow parallel builds using sample code from policy.
 + * Add myself to Uploaders.
 + * Don't export a dependency on ice in sm.pc.
 +
 + -- Julien Cristau <jcristau@debian.org> Fri, 18 Jul 2008 16:16:47 +0200
 +
 +libsm (2:1.0.3-2) unstable; urgency=low
 +
 + * Fix short descriptions of libsm-dev and libsm-dbg,
 + thanks Philippe Cloutier, closes: #432967.
 + * Add upstream URL to debian/copyright.
 + * Bump Standards-Version to 3.7.3 (no changes).
 + * Add myself to Uploaders, and remove Branden and Fabio with their
 +
 + permission.
 + * Add Vcs-Browser field and drop the XS- prefix from Vcs-Git.
 + * Add a link to www.X.org and a reference to the libSM module in the long
 + description.

+
+ -- Brice Goglin <bgoglin@debian.org> Fri, 13 Jun 2008 07:07:33 +0200
+
+libsm (2:1.0.3-1) unstable; urgency=low
+
+ [Julien Cristau]
+ * Move binary packages to the proper sections.
+ * New upstream release.
+
+ [Timo Aaltonen]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 14 May 2007 16:41:22 +0200
+
+libsm (1:1.0.2-2) unstable; urgency=low
+
+ * Upload to unstable.
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 11 Apr 2007 10:53:40 +0200
+
+libsm (1:1.0.2-1) experimental; urgency=low
+
+ * New upstream release.
+ * Drop obsolete CVS info from the descriptions, and add XS-Vcs-Git.
+ * Install the upstream changelog.
+
+ -- Julien Cristau <jcristau@debian.org> Fri, 9 Feb 2007 17:37:39 +0100
+
+libsm (1:1.0.1-3)
unstable; urgency=low
+
+ * Exclude libSM.la from dh_install.
+ * The library in debian/rules is libsm6 not libxau6! Closes: #383468.
+ * libsm-dev uses versioned depends on libice-dev from X11R7.
+ Closes: #372129.
+
+ -- Drew Parsons <dparsons@debian.org> Fri, 22 Sep 2006 21:33:23 +1000
+
+libsm (1:1.0.1-2) unstable; urgency=low
+
+ [Andres Salomon]
+ * Test for obj-\$(DEB_BUILD_GNU_TYPE) before creating it during build;
+ idempotency fix.
+
+ [Drew Parsons]
+ * dbg package has priority extra.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 29 Aug 2006 23:35:12 +0000

+
+libsm (1:1.0.1-1) experimental; urgency=low
+
+ * New upstream release
+ * Run dh_install with --list-missing
+ * Bump debhelper compat to 5
+ * Remove extra x11-common dep from -dev package
+ * Version x11-common pre-dep in -dev package to be 1:7.0.0 to match the rest
+ of Debian and shut lintian up
+ * Bump standards version to 3.7.2.0
+ * Don't look to install manpages for -dev package,
there aren't any
+
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 17:18:41 -0400
+
+libsm (1:1.0.0-4) unstable; urgency=low
+
+ * Reorder makeshlib command in rules file so that ldconfig is run
+ properly. Thanks Drew Parsons and Steve Langasek.
+
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:55 -0400
+
+libsm (1:1.0.0-3) unstable; urgency=low
+
+ * Upload to unstable
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:25 -0500
+
+libsm (1:1.0.0-2) experimental; urgency=low
+
+ * Provide versioned build depends for the X libs
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Feb 2006 22:46:43 -0500
+
+libsm (1:1.0.0-1) UNRELEASED; urgency=low
+
+ * First upload to Debian
+
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:47:53 -0500
+
+libsm (1:6.0.4-4) breezy; urgency=low
+
+ * Version the x11proto-core-dev build-dep to avoid _XOPEN_SOURCE.
+
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:42:00 +0000
+
+libsm

(1:6.0.4-3) breezy; urgency=low
+
+ * Add libice-dev to libsm-dev Depends.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Thu, 21 Jul 2005 18:07:37 +1000
+
+libsm (1:6.0.4-2) breezy; urgency=low
+
+ * Fix Build-Depends-Indep vs B-D hilarity/stupidity.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Wed, 1 Jun 2005 00:34:43 +1000
+
+libsm (1:6.0.4-1) breezy; urgency=low
+
+ * First libsm release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
--- libsm-1.2.2.orig/debian/compat
+++ libsm-1.2.2/debian/compat
@@ -0,0 +1 @@
+9
--- libsm-1.2.2.orig/debian/control
+++ libsm-1.2.2/debian/control
@@ -0,0 +1,95 @@
+Source: libsm
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 9),
+ dh-autoreconf,
+ pkg-config,
+ x11proto-core-dev (>= 6.8.99.15+cvs.20050722),
+ xtrans-dev,
+ libice-dev (>= 2:1.0.5),
+ uuid-dev,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.6+2),
+ quilt,
+# doc:
+
+ xmlto (>= 0.0.22), xorg-sgml-doctools (>= 1:1.8), w3m,
+Standards-Version: 3.9.2
+Vcs-Git: git://git.debian.org/git/pkg-xorg/lib/libsm
+Vcs-Browser: http://git.debian.org/?p=pkg-xorg/lib/libsm.git
+
+Package: libsm6

+Section: libs

+Architecture: any

+Depends: $\{\text{shlibs:Depends}\}$, $\{\text{misc:Depends}\}$

+Pre-Depends: $\{\text{misc:Pre-Depends}\}$

+Multi-Arch: same

+Description: X11 Session Management library

+ This package provides the main interface to the X11 Session Management library, which allows for applications to both manage sessions, and make use of session managers to save and restore their state for later use.

+ .

+ More information about X.Org can be found at:

+ <URL:<http://www.X.org>>

+ .

+ This module can be found at

+ [git://anongit.freedesktop.org/git/xorg/lib/libSM](https://anongit.freedesktop.org/git/xorg/lib/libSM)

+ .

+Package: libsm6-dbg

+Section: debug

+Architecture: any

+Priority: extra

+Depends: $\{\text{shlibs:Depends}\}$, $\{\text{misc:Depends}\}$, libsm6 (= $\{\text{binary:Version}\}$)

+Multi-Arch: same

+Description: X11 Session Management library (debug package)

+ .

+ This package provides the main interface to the X11 Session Management library, which allows for applications to both manage sessions, and make use of session managers to save and restore their state for later use.

+ .

+ This package contains the debug versions of the library found in libsm6.

+ Non-developers likely have little use for this package.

+ .

+ More information about X.Org can be found at:

+ <URL:<http://www.X.org>>

+ .

+ This module can be found at

+ [git://anongit.freedesktop.org/git/xorg/lib/libSM](https://anongit.freedesktop.org/git/xorg/lib/libSM)

+ .

+Package: libsm-dev

+Section: libdevel

+Architecture: any

+Multi-Arch: same

+Depends: $\{\text{shlibs:Depends}\}$, $\{\text{misc:Depends}\}$, libsm6 (= $\{\text{binary:Version}\}$), x11proto-core-dev, libice-dev (>= 1:1.0.0-1)

+Suggests: libsm-doc

+Description: X11 Session Management library (development headers)

+ This package provides the main interface to the X11 Session Management library, which allows for applications to both manage sessions, and make use of session managers to save and


```

restore their state for later use.
+ .
+ This package contains the development headers for the library found in libsm6.
+ Non-developers likely have little use for this package.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+ .
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libSM
+
+Package: libsm-doc
+Section: doc
+Architecture: all
+Multi-Arch: foreign
+Depends:
+ ${misc:Depends},
+Replaces:
+ libsm-dev (<< 2:1.2.1),
+Breaks:
+ libsm-dev (<< 2:1.2.1),
+Description: documentation for the X Session Management protocol and library
+ The X Session Management protocol facilitates the management of groups of
+ client applications by a session manager.
+ .
+ This package contains documentation for the session management protocol
+ itself and for the associated library, libSM.
--- libsm-1.2.2.orig/debian/copyright
+++ libsm-1.2.2/debian/copyright
@@ -0,0 +1,24 @@
+This package was downloaded from
+http://xorg.freedesktop.org/releases/individual/lib/
+
+Copyright
1993, 1998 The Open Group
+
+Permission to use, copy, modify, distribute, and sell this software and its
+documentation for any purpose is hereby granted without fee, provided that
+the above copyright notice appear in all copies and that both that
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```
--- libsm-1.2.2.orig/debian/libsm-dev.install
+++ libsm-1.2.2/debian/libsm-dev.install
@@ -0,0 +1,4 @@
+usr/include/X11/*
+usr/lib*/libSM.a
+usr/lib*/libSM.so
+usr/lib*/pkgconfig/sm.pc
--- libsm-1.2.2.orig/debian/libsm-doc.install
+++ libsm-1.2.2/debian/libsm-doc.install
@@ -0,0 +1 @@
+usr/share/doc/libsm-dev
--- libsm-1.2.2.orig/debian/libsm6.install
+++ libsm-1.2.2/debian/libsm6.install
@@ -0,0 +1 @@
+usr/lib*/libSM.so.6*
--- libsm-1.2.2.orig/debian/patches/series
+++ libsm-1.2.2/debian/patches/series
@@ -0,0 +1 @@
+# placeholder
--- libsm-1.2.2.orig/debian/rules
+++ libsm-1.2.2/debian/rules
@@ -0,0 +1,30 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxau package.
+# Copyright 2004 Scott James Remnant <scott@netsplit.com>
+# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright
2005 David Nusinow <dnusinow@debian.org>
+
+# Uncomment this to turn on verbose mode.
+export DH_VERBOSE=1
+
+# set this to the name of the main shlib's binary package
+PACKAGE = libsm6
+
+:%
+ dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure-arch: docflags = --disable-docs
+override_dh_auto_configure-indep: docflags = --enable-docs
```

```

+override_dh_auto_configure-arch override_dh_auto_configure-indep:
+ dh_auto_configure -- \
+ --with-libuuid \
+ --with-xmlto --without-fop \
+ --docdir=\${datadir}/doc/libsm-dev \
+ $(docflags)
+
+override_dh_install:
+ dh_install --sourcedir=debian/tmp --fail-missing --exclude=libSM.la
+
+override_dh_strip:
+ dh_strip --dbg-package=$(PACKAGE)-dbg
+
--- libsm-1.2.2.orig/debian/watch
+++ libsm-1.2.2/debian/watch
@@ -0,0 +1,3 @@
+#git=git://anongit.freedesktop.org/xorg/lib/libSM
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/ libSM-(.*)\tar\gz

```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1000740168_1591898370.54/0/libsm-1-2-2-1-diff-gz/libsm_1.2.2-1.diff
```

1.210 adwaita-icon-theme 3.28.0-1ubuntu1

1.210.1 Available under license :

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Version 3, 29 June 2007

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data structure

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1.211 at-spi2-atk 2.26.2-1

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2d requires that any

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros

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1.212 jcl-over-slf4j 1.7.25

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* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-jar/org/apache/commons/logging/package.html

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* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-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

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/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-jar/org/apache/commons/logging/impl/NoOpLog.java

* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-jar/org/apache/commons/logging/LogConfigurationException.java

* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-jar/org/apache/commons/logging/impl/SLF4JLog.java

* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-jar/org/apache/commons/logging/impl/SimpleLog.java

1.213 dpkg 1.19.0.5ubuntu2.1

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1.214 pcre 8.39-9

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1.216 java-atk-wrapper 0.33.3-20ubuntu0.1

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1.217 x11-utils 7.7+3build1

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Client application for querying drivers' configuration information

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1.218 ubuntu-keyring 2018.09.18.1~18.04.0

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1.219 gtk 2.24.32-1ubuntu1

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1.220 pixman 0.34.0-2

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Found in path(s):

- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/ext/FactoryFinder.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/core/Request.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/GET.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/MatrixParam.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/OPTIONS.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/core/UriInfo.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/ext/RuntimeDelegate.java
- * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/CookieParam.java

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* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/ext/MessageBodyReader.java
*
/opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/HEAD.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/NewCookie.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/UriBuilder.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/POST.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/DefaultValue.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/ApplicationPath.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/DELETE.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/package-
info.java
*
/opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/Application.java
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jar/javax/ws/rs/QueryParam.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/PathParam.java
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jar/javax/ws/rs/core/Cookie.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
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* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/Consumes.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/client/FactoryFinder.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/HttpHeaders.java
*
/opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/FormParam.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/core/EntityTag.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/Produces.java

```

1.223 jersey-server 2.25.1

1.224 jersey-client 2.25.1

1.225 jersey-container-servlet-core 2.25.1

1.226 jersey-container-servlet 2.25.1

1.227 javax-el 3.0.0

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1.230 libpsl 0.19.1-5build1

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psl-make-dafsa and lookup_string_in_fixed_set.c.

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// -----
```

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```
/*
```

```
* $Id$
```

```
*/
```

```
package org.apache.maven.model;
```

```
/**
```

```
*
```

```
*
```

```
* Describes the licenses for this project. This is used
```

```
* to generate
```

```
* the license page of the project's web site, as well as
```

```
* being taken into
```

```
*      consideration in other reporting and validation. The
* licenses listed for
*      the project are that of the project itself, and not of
* dependencies.
```

```
*
```

```
*
```

```
*
```

```
* @version $Revision$ $Date$
```

```
*/
```

```
public class License implements java.io.Serializable {
```

```
    //-----/
```

```
    //- Class/Member Variables -/
```

```
    //-----/
```

```
    /**
```

```
     * Field name
```

```
     */
```

```
    private String name;
```

```
    /**
```

```
     * Field url
```

```
     */
```

```
    private String url;
```

```
    /**
```

```
     * Field distribution
```

```
     */
```

```
    private String distribution;
```

```
    /**
```

```
     * Field comments
```

```
     */
```

```
    private String comments;
```

```
    //-----/
```

```
    //- Methods -/
```

```
    //-----/
```

```
    /**
```

```
     * Get
```

```
     *      Addendum information pertaining to this license.
```

```
     *
```

```
     */
```

```
    public String getComments()
```

```
    {
```

```

    return this.comments;
} //-- String getComments()

/**
 * Get
 *
 * The primary method by which this project may be
 * distributed.
 * <dl>
 * <dt>repo</dt>
 * <dd>may be downloaded from the Maven
 * repository</dd>
 * <dt>manual</dt>
 * <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 * Get
 *
 * The full legal name of the license.
 *
 */
public String
getName()
{
    return this.name;
} //-- String getName()

/**
 * Get
 *
 * The official url for the license text.
 *
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

```



```

/**
 * Set
 *     Addendum information pertaining to this license.
 *
 *
 * @param comments
 */
public void setComments(String comments)
{
    this.comments = comments;
} //-- void setComments(String)

```

```

/**
 * Set
 *
 *     The primary method by which this project may be
 * distributed.
 *     <dl>
 *         <dt>repo</dt>
 *         <dd>may be downloaded from the Maven
 * repository</dd>
 *         <dt>>manual</dt>
 *         <dd>user must manually download and install
 * the dependency.</dd>
 *     </dl>
 *
 *
 *
 * @param distribution
 */
public void setDistribution(String distribution)
{
    this.distribution = distribution;
} //-- void setDistribution(String)

```

```

/**
 * Set
 *
 *     The full legal name of the license.
 *
 *
 * @param name
 */
public void setName(String name)
{
    this.name = name;
}

```

```

} //-- void setName(String)

/**
 * Set
 *
 *      The official url for the license text.
 *
 *
 *
 * @param url
 */
public void setUrl(String url)
{
    this.url = url;
} //-- void setUrl(String)

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}}
/*
 * $Id$
 */

package org.apache.maven.model;

/**
 *
 *      Description of a person who has contributed to the
 * project, but
 *      who does not have commit privileges. Usually, these
 *      contributions come in the form of patches submitted.
 *
 *
 * @version $Revision$ $Date$
 */
public class Contributor implements java.io.Serializable {

```

```
//-----/  
//- Class/Member Variables -/  
//-----/  
  
/**  
 * Field name  
 */  
private String name;  
  
/**  
 * Field email  
 */  
private String email;  
  
/**  
 * Field url  
 */  
private String url;  
  
/**  
 * Field organization  
 */  
private String organization;  
  
/**  
 * Field organizationUrl  
 */  
private String organizationUrl;  
  
/**  
 * Field roles  
 */  
private java.util.List roles;  
  
/**  
 * Field timezone  
 */  
private String timezone;  
  
/**  
 * Field properties  
 */  
private java.util.Properties properties;  
  
//-----/  
//- Methods -/  
//-----/
```

```
/**
 * Method addProperty
 *
 * @param key
 * @param value
 */
public void addProperty(String key, String value)
{
    getProperties().put( key, value );
} //-- void addProperty(String, String)
```

```
/**
 * Method addRole
 *
 * @param string
 */
public void addRole(String string)
{
    getRoles().add( string );
} //-- void addRole(String)
```

```
/**
 * Get
 *
 * The email address of the contributor.
 *
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()
```

```
/**
 * Get
 *
 * The full name of the contributor.
 *
 */
public String getName()
{
    return this.name;
} //-- String getName()
```

```
/**
 * Get
```

```

*
*      The organization to which the contributor
* belongs.
*
*
*/
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
* Get
*
*      The URL of the organization.
*
*
*/
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
* Method getProperties
*/
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
* Method getRoles
*/
public java.util.List getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList();
    }

    return this.roles;
} //-- java.util.List getRoles()

```

```

/**
 * Get
 *
 *      The timezone the contributor is in. This is a
 * number in the range -11 to 12.
 *
 *
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get
 *
 *      The URL for the homepage of the contributor.
 *
 *
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole
 *
 * @param string
 */
public void removeRole(String string)
{
    getRoles().remove( string );
} //-- void removeRole(String)

/**
 * Set
 *
 *      The email address of the contributor.
 *
 *
 * @param email
 */
public void setEmail(String email)
{

```

```

    this.email = email;
} //-- void setEmail(String)

/**
 * Set
 *
 *     The full name of the contributor.
 *
 *
 *
 * @param name
 */
public void setName(String name)
{
    this.name = name;
} //-- void setName(String)

/**
 * Set
 *
 *     The organization to which the contributor
 * belongs.
 *
 *
 *
 * @param organization
 */
public void setOrganization(String organization)
{
    this.organization = organization;
} //-- void setOrganization(String)

/**
 * Set
 *
 *     The
URL of the organization.
 *
 *
 *
 * @param organizationUrl
 */
public void setOrganizationUrl(String organizationUrl)
{
    this.organizationUrl = organizationUrl;
} //-- void setOrganizationUrl(String)

/**

```

```

* Set
*
*     Properties about the contributor, such as an
* instant messenger handle.
*
*
*
* @param properties
*/
public void setProperties(java.util.Properties properties)
{
    this.properties = properties;
} //-- void setProperties(java.util.Properties)

/**
* Set
*
*     The roles the contributor plays in the project.
* Each role is
*     described by a <code>role</code> element, the
* body of which is a
*     role name. This can also be used to describe the
* contribution.
*
*
*
* @param roles
*/
public void setRoles(java.util.List roles)
{
    this.roles = roles;
} //-- void setRoles(java.util.List)

/**
* Set
*
*     The timezone the contributor is in. This is a
* number in the range -11 to 12.
*
*
*
* @param timezone
*/
public void setTimezone(String timezone)
{
    this.timezone = timezone;
} //-- void setTimezone(String)

```



```

/**
 * Set
 *
 *      The URL for the homepage of the contributor.
 *
 *
 *
 * @param url
 */
public void setUrl(String url)
{
    this.url = url;
} //-- void setUrl(String)

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}}

```

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1.239 simpleclient-common 0.6.0

1.240 maven-settings 2.0.9

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1.241 maven-plugin-api 2.0.9

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1.243 maven-artifact-manager 2.0.9

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1.244 wagon-provider-api 1.0-beta-2

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1.245 maven-reporting-api 2.0.9

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1.246 maven-plugin-registry 2.0.9

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1.247 simpleclient-httpserver 0.6.0

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1.248 maven-project 2.0.9

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1.249 plexus-container-default 1.0-alpha-9-stable-1

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* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/AbstractConfigurationConverter.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/processor/AbstractConfigurationResourceHandler.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/ObjectWithFieldsConverter.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/Converter.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/composition/NoOpComponentComposer.java

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/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/CharConverter.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/BooleanConverter.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/context/DefaultContext.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationProcessingException.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/manager/ClassicSingletonComponentManager.java

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/opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/lifecycle/DefaultLifecycleHandlerManager.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/composition/DefaultCompositionResolver.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluationException.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/AbstractComponentConfigurator.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/SimplePlexusContainerManager.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluator.java

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* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/DoubleConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/processor/FileConfigurationResourceHandler.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/IntConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/ShortConverter.java

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/opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/UrlConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/manager/DefaultComponentManagerManager.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/StringConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/BasicComponentConfigurator.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/PlexusConfigurationConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationProcessor.java

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/opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/MapConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/ArrayConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/FileConverter.java

* /opt/cola/permits/1000749951_1646171538.45/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/repository/io/PlexusTools.java

* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/manager/PerLookupComponentManager.java
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/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/AbstractBasicConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/lookup/DefaultConverterLookup.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/PlexusContainerHost.java
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* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/repository/DefaultComponentRepository.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/composition/DefaultComponentComposerManager.java
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/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/DateConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/CollectionConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/embed/Embedder.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/composition/SetterComponentComposer.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/lifecycle/PassiveLifecycleHandler.java
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/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscoverer.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/StringBufferConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/ByteConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/xml/XmlPlexusConfiguration.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationResourceNotFoundException.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/composition/FieldComponentComposer.java
*
/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/ComponentConfigurator.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/PlexusConfigurationMerger.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/LongConverter.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/component/configurator/expression/DefaultExpressionEvaluator.java

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* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/configuration/processor/ConfigurationResourceHandler.java
*
/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/component/manager/KeepAliveSingletonComponentManager.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/component/factory/DefaultComponentFactoryManager.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscovererManager.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/component/configurator/converters/lookup/ConverterLookup.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/configuration/processor/DirectoryConfigurationResourceHandler.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/DefaultPlexusContainer.java
*
/opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/lifecycle/BasicLifecycleHandler.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/PlexusTestCase.java
* /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-
jar/org/codehaus/plexus/component/configurator/converters/ConfigurationConverter.java
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- * /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/logging/Logger.java
- *
- */opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/PlexusConfiguration.java
- * /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/context/Context.java
- * /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/context/ContextException.java
- * /opt/cola/permits/1000749951_1646171538.45/0/plexus-container-default-1-0-alpha-9-stable-1-sources-jar/org/codehaus/plexus/configuration/PlexusConfigurationException.java

1.250 simpleclient-hotspot 0.6.0

1.251 geronimo-annotation-spec 1.1.1

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1.256 jopt-simple 5.0.3

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- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/SimpleOptionNameMap.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/InetAddressConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Reflection.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/RequiredArgumentOptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/IllegalOptionSpecificationException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Messages.java
- *
- /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionParser.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpecTokenizer.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionMissingRequiredArgumentException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Classes.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/ReflectionException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/ConstructorInvokingValueConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/MethodInvokingValueConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/AlternativeLongOptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/OptionNameMap.java

*
/opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/DateConverter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionDescriptor.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionalArgumentOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/BuiltinHelpFormatter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/AbbreviationMap.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Rows.java
*
/opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/MultipleArgumentsForOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ValueConversionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/NonOptionArgumentSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionArgumentConversionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ParserRules.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/MissingRequiredOptionsException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/HelpFormatter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ValueConverter.java
*
/opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Row.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpecBuilder.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ArgumentList.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/KeyValuePair.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSet.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Columns.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/UnrecognizedOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Strings.java
*
/opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ArgumentAcceptingOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/RegexMatcher.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/NoArgumentOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-

1.257 commons-lang3 3.4

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 */
/**
 * A registry for service provider objects.
 *
 * <p>
 * Service providers are looked up from the classpath, under the path
 * { @code META-INF/services/}&lt;full-class-name&gt;.
 *
 * <p>
 * For example:<br/>
 * { @code META-INF/services/com.company.package.spi.MyService}.
 *
 * <p>
 * The file should contain a list of fully-qualified concrete class names,
```

*
 one per line.
 * <p/>
 * The full-class-name 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.
 * <p/>
 * <small>Implementation detail: This class is a clean room implementation of
 * a service registry and does not use the proprietary { @code sun.misc.Service }
 * class that is referred to in the JAR File specification.
 * This class should work on any Java platform.
 * </small>
 *
 * @author Harald Kuhr
 * @version \$Id: com/twelvemonkeys/util/service/ServiceRegistry.java#2 \$
 * @see RegisterableService
 * @see JAR File
 Specification
 */

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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
 jar/com/twelvemonkeys/util/service/ServiceRegistry.java

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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/LRUMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/pacakge_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/LinkedList.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/StringTokenIterator.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/ConversionException.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/package_info.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/service/ServiceConfigurationException.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/WeakWeakMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/Visitor.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/lang/ReflectUtil.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/lang/package_info.java
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/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/lang/Platform.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/lang/DateUtil.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/regex/RegExTokenIterator.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/FilterIterator.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/NumberConverter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/service/RegisterableService.java

* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/Converter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/MissingTypeException.java
*
/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/PropertyConverter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/regex/package_info.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/TokenIterator.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/lang/StringUtil.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/IgnoreCaseMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/regex/WildcardStringParser.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/LRUHashMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/AbstractTokenIterator.java
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/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/lang/BeanUtil.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/DuplicateHandler.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/NoAvailableConverterException.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/TimeFormat.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/DateConverter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/AbstractDecoratedMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/lang/SystemUtil.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/ExpiringMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/service/package_info.java
*
/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/LinkedMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/BeanMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/Time.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-

jar/com/twelvemonkeys/util/convert/TimeConverter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/TypeMismatchException.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/ConverterImpl.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/TimeoutMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/CollectionUtil.java
*
/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/util/convert/DefaultConverter.java
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1.258 commons-lang3 3.5

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1.259 gson 2.8.2

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/GsonBuilder.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonPrimitive.java

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/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonArray.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/DefaultDateTypeAdapter.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonNull.java

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jar/com/google/gson/JsonDeserializationContext.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/InstanceCreator.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonSerializationContext.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/UnsafeAllocator.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TreeTypeAdapter.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/ConstructorConstructor.java
* /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/LongSerializationPolicy.java

* /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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Found in path(s):

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonWriter.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

```
jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonScope.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonReader.java
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```

Found in path(s):

```
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Streams.java
```

1.260 jaxb-api 2.3.0

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```
* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-  
jar/org/apache/commons/logging/impl/WeakHashtable.java
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* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/package.html

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* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/LogKitLogger.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/SimpleLog.java

*

/opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/Log.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/NoOpLog.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/LogConfigurationException.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/Log4JLogger.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/LogFactoryImpl.java

* /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/Jdk14Logger.java

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- * /opt/cola/permits/1000764441_1606951833.06/0/commons-logging-1-1-sources-1-jar/org/apache/commons/logging/impl/ServletContextCleaner.java

1.262 servlet-api 2.5

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- * /opt/cola/permits/1000764326_1646171564.36/0/servlet-api-2-5-jar/javax/servlet/resources/j2ee_1_4.xsd
- * /opt/cola/permits/1000764326_1646171564.36/0/servlet-api-2-5-jar/javax/servlet/resources/jsp_2_0.xsd

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jar/javax/servlet/resources/javaee_web_services_client_1_2.xsd

* /opt/cola/permits/1000764326_1646171564.36/0/servlet-api-2-5-jar/javax/servlet/resources/javaee_5.xsd

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1.263 geronimoj2eemanagement 1.0.1

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1.264 commons-codec 1.3

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 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/Decoder.java
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 jar/org/apache/commons/codec/net/URLConnection.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/net/QCodec.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/language/DoubleMetaphone.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/DecoderException.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/StringDecoder.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/language/RefinedSoundex.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/net/QuotedPrintableCodec.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/digest/DigestUtils.java
 *
 /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/binary/Hex.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/BinaryDecoder.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/EncoderException.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/net/StringEncodings.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/language/Soundex.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/Encoder.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/StringEncoderComparator.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/binary/BinaryCodec.java
 *
 /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/net/RFC1522Codec.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/net/BCodec.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
 jar/org/apache/commons/codec/BinaryEncoder.java
 * /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-

jar/org/apache/commons/codec/binary/Base64.java
* /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/language/Metaphone.java
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jar/org/apache/commons/codec/package.html
* /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/net/package.html
* /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/language/package.html
*
/opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/overview.html
* /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/binary/package.html
* /opt/cola/permits/1000764348_1646171564.99/0/commons-codec-1-3-sources-
jar/org/apache/commons/codec/digest/package.html

1.265 activemq-protobuf 1.1

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1.266 argparse 0.8.1

1.267 concurrent 1.1.0.v20130327-1442

1.267.1 Available under license :

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1.268 regexp 1.3

1.269 httpcomponents-core 4.0.1

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1.270 commons-io 2.2

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* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/ValidatorResult.java

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jar/org/apache/commons/validator/Form.java

* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-
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jar/org/apache/commons/validator/EmailValidator.java

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* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-
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* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/FormSet.java
* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/util/ValidatorUtils.java

* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-jar/org/apache/commons/validator/DateValidator.java

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* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-jar/org/apache/commons/validator/package.html

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*

/opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-jar/org/apache/commons/validator/util/package.html

* /opt/cola/permits/1000764300_1646171503.42/0/commons-validator-1-3-1-sources-jar/org/apache/commons/validator/digester-rules.xml

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1.275 jboss-logging 3.3.0

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1.276 okhttp-ws 2.7.5

1.277 logging-interceptor 2.7.5

1.278 commons-logging 1.0.4

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Found in path(s):

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* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/Log4jFactory.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/AvalonLogger.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/LogConfigurationException.java
*
/opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/Log4JLogger.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/SimpleLog.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/Jdk14Logger.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/LogFactory.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/Log4JCategoryLog.java
*
/opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/LogFactoryImpl.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/Log.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/impl/LogKitLogger.java
* /opt/cola/permits/1000772257_1646171506.3/0/commons-logging-1-0-4-sources-
jar/org/apache/commons/logging/LogSource.java

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1.279 aether-util 0.9.0.M2

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1.280 bcel 5.2

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1.284 jaxb-core 2.2.11

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 * /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/VarSignedIntegerCodec.java
 * /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/BufferOutputStream.java
 * /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/AbstractBufferCodec.java
 * /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-

1.286 javax-el-api 3.0.0

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1.290 json-simple 1.1.1

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1.291 commons-pool 1.4

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1.295 asm 4.1

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*/

/**

* Creates a new JSRInliner. *<i>*Subclasses must not use this
* constructor*</i>*. Instead, they must use the
* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.

*

* @param mv

*

the `MethodVisitor` to send the resulting inlined

* method code to (use `null` for none).

* @param access

* the method's access flags (see { @link Opcodes}). This

* parameter also indicates if the method is synthetic and/or

* deprecated.

* @param name

* the method's name.

* @param desc

* the method's descriptor (see { @link Type}).

* @param signature

* the method's signature. May be `null`.

* @param exceptions

* the internal names of the method's exception classes (see

* { @link Type#getInternalName() getInternalName}). May be

* `null`.

*/

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* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/xml/ASMContentHandler.java
*
/opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
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/**

* Constructs a new {@link Textifier}. <i>Subclasses must not use this

* constructor. Instead, they must use the { @link #Textifier(int) }
* version.
*/

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/opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/Attribute.java

* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/Shrinker.java

* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java

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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/optimizer/JarOptimizer.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/util/TraceSignatureVisitor.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/tree/MultiANewArrayInsnNode.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/signature/SignatureWriter.java
 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/tree/IntInsnNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/optimizer/Constant.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/Handle.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/ClassReader.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/tree/LookupSwitchInsnNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/ClassVisitor.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/util/Printer.java
 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/signature/SignatureReader.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/objectweb/asm/tree/AbstractInsnNode.java
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 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/MethodWriter.java
 *
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java

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 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/AnnotationVisitor.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/FrameNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
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 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
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 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
 *
 /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/InsnNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/LocalVariableNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
 * /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/Frame.java


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* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/tree/TryCatchBlockNode.java
*
/opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/Context.java
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writer.properties
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/shrink-
frames.properties
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/shrink-
signatures.properties
*
/opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/shrink-
resize.properties
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/optimizer/shrink-
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*/
/**
 * Constructs a new {@link ClassNode}. Subclasses must not use this
 * constructor. Instead, they must use the {@link #ClassNode(int)}
 * version.
 */

```

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`*/opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-jar/org/objectweb/asm/tree/ClassNode.java`

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*/

/**

* Creates a new { @link GeneratorAdapter}. *Subclasses must not use this*

* constructor*.* Instead, they must use the

* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}

* version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see { @link Opcodes}).

```
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see { @link Type Type}).
*/
```

Found in path(s):

```
* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
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```

```
/**
```

```
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```

```
*/
```

```
/**
```

```
* Creates a new { @link AnalyzerAdapter}. Subclasses must not use this
* constructor. Instead, they must use the
* { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
```

```
*
```

```
* @param owner
```

```

*
  the owner's class name.
* @param access
*   the method's access flags (see { @link Opcodes}).
* @param name
*   the method's name.
* @param desc
*   the method's descriptor (see { @link Type Type}).
* @param mv
*   the method visitor to which this adapter delegates calls. May
*   be <tt>null</tt>.
*/

```

Found in path(s):

```

* /opt/cola/permits/1000875375_1646171531.03/0/asm-4-1-sources-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

```

1.296 bind 9.11.3+dfsg-1ubuntu1.7

1.296.1 Available under license :

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Automated Testing Framework

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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.

Author: Julio Merino <jmmv84@gmail.com>

=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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```

```
<!-- $Id$ -->
```

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

```
<xsl:stylesheet version="1.0"  
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
  xmlns:xi="http://www.w3.org/2001/XInclude"  
  xmlns:db="http://docbook.org/ns/docbook">  
  
  <xsl:template name="isc.copyright.format">  
    <xsl:param name="text"/>  
    <xsl:value-of select="$isc.copyright.leader"/>  
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>  
    <xsl:text>&#10;</xsl:text>  
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>  
    <xsl:if test="translate($rest, '&#9;&#32;', ' ')>  
      <xsl:call-template name="isc.copyright.format">  
        <xsl:with-param
```



```

name="text" select="$rest"/>
  </xsl:call-template>
</xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

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

```

<!--

- Local variables:
- mode: sgml
- End:

-->

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1.298 openssl 1.0.2n-1ubuntu5.3

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1.300 apt 1.6.8

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1.302 python-idna 2.6-1

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1.303 geoip-database 20180315-1

1.304 linux-atm 2.5.1-2build1

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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.>  
Copyright (C) 19yy <name of author>
```

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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:

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

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

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[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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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave 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.

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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

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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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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.

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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.

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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 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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to use the modified definitions.)

b) Accompany

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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.

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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/*

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1.307 python-setuptools 39.0.1-2

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1.308 python-certifi 2018.1.18-2

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.309 six 1.11.0-2

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1.310 apr 1.6.3-2

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```
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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

- * Based on libdl (dlfcn.c/dlfcn.h) which is
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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_sprintf.c:

*

* cvt - IEEE floating point formatting routines.

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1.316 eclipse-sisu-inject 0.3.3

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1.317 plexus-component-annotations 1.5.5

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```
* /opt/cola/permits/1000890787_1651084425.87/0/plexus-component-annotations-1-5-5-sources-
jar/org/codehaus/plexus/component/annotations/Requirement.java
* /opt/cola/permits/1000890787_1651084425.87/0/plexus-component-annotations-1-5-5-sources-
jar/org/codehaus/plexus/component/annotations/Component.java
*
/opt/cola/permits/1000890787_1651084425.87/0/plexus-component-annotations-1-5-5-sources-
jar/org/codehaus/plexus/component/annotations/Configuration.java
```

1.318 cdi-api 1.0

1.319 j2objc-annotations 1.3

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Found in path(s):

```
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-  
jar/com/google/j2objc/annotations/RetainedWith.java  
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-  
jar/com/google/j2objc/annotations/ReflectionSupport.java  
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-  
jar/com/google/j2objc/annotations/RetainedLocalRef.java  
*
```

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

1.320 jsch 0.1.44-1

1.321 maven-reporting-api 3.0

1.321.1 Available under license :

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1.322 cal10n 0.8.1

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1.323 junit 4.11

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* /opt/cola/permits/1000966140_1646171560.29/0/junit-4-11-sources-jar/org/junit/runners/model/MultipleFailureException.java

1.324 google-collections 1.0

1.325 jackson-dataformat-yaml 2.9.5

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1.326 javax-el 2.2.6

1.327 maven-error-diagnostics 2.0.6

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1.328 maven-common-artifact-filters 1.4

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1.330 aether-impl 1.7

1.331 maven-plugin-api 2.2.1

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1.332 maven-settings 3.0

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1.334 plexus-utils 3.1.0

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1.335 maven-artifact-manager 2.2.1

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1.337 plexus-interpolation 1.24

1.338 maven-plugin-registry 2.2.1

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1.340 doxia-sink-api 1.0-alpha-7

1.341 maven-core 2.0.6

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1.342 plexus-compiler-api 2.2

1.343 maven-artifact 2.2.1

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1.344 maven-model 3.0

1.344.1 Available under license :

```
/*
===== DO NOT EDIT THIS FILE =====
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any modifications will be overwritten.
=====
*/

package org.apache.maven.model;

/**
 * Describes the licenses for this project. This is used to
 * generate the license
 * page of the project's web site, as well as being taken
 * into consideration in other reporting
 * and validation. The licenses listed for the project are
 * that of the project itself, and not
 * of dependencies.
 *
 * @version $Revision$ $Date$
 */
@SuppressWarnings( "all" )
public class License
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker
{

    //-----/
    //- Class/Member Variables -/
    //-----/

    /**
     * The full legal name of the license.
     */
    private String name;

    /**
     * The official url for the license text.
     */
    private String url;
```

```

/**
 *
 *
 *      The primary method by which this project may be
 * distributed.
 *      <dl>
 *          <dt>repo</dt>
 *          <dd>may be downloaded from the Maven
 * repository</dd>
 *          <dt>manual</dt>
 *          <dd>user must manually download and install
 * the dependency.</dd>
 *      </dl>
 *
 *
 */
private String distribution;

/**
 * Addendum information pertaining to this license.
 */
private String comments;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//-----/
// - Methods -/
//-----/

/**
 * Method clone.
 *
 * @return License
 */
public License clone()
{
    try
    {
        License copy = (License) super.clone();

        if ( copy.locations != null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }
    }
}

```



```

    }

    return copy;
}
catch ( java.lang.Exception ex )
{
    throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
        + " does not support clone()" ).initCause( ex );
}
} //-- License clone()

/**
 * Get addendum information pertaining to this license.
 *
 * @return String
 */
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get the primary method by which this project may be
 * distributed.
 *
 * <dl>
 * <dt>repo</dt>
 * <dd>may be downloaded from the Maven
 * repository</dd>
 *
 * <dt>manual</dt>
 * <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 * @return String
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )

```

```

{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full legal name of the license.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the official url for the license text.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Set addendum information
pertaining to this license.
 *
 * @param comments
 */
public void setComments( String comments )
{
    this.comments = comments;
} //-- void setComments( String )

/**
 * Set the primary method by which this project may be
 * distributed.
 *
 * <dl>
 *     <dt>repo</dt>
 *     <dd>may be downloaded from the Maven
 * repository</dd>
 *     <dt>>manual</dt>
 *     <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 * @param distribution

```

```

*/
public void setDistribution( String distribution )
{
    this.distribution = distribution;
} //-- void setDistribution( String )

/**
 *
 *
 * @param key
 * @param location
 */
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {

if ( this.locations == null )
    {
        this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
    }
        this.locations.put( key, location );
    }
} //-- void setLocation( Object, InputLocation )

/**
 * Set the full legal name of the license.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the official url for the license text.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )
}

```

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Maven Model

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=====

*/

```
package org.apache.maven.model;
```

```
/**
```

```
* Description of a person who has contributed to the project, but  
* who does not have  
*   commit privileges. Usually, these contributions come in  
* the form of patches submitted.
```

```
*
```

```
* @version $Revision$ $Date$
```

```
*/
```

```
@SuppressWarnings( "all" )
```

```
public class Contributor
```

```
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker  
{
```

```
    //-----/
```

```
    //- Class/Member Variables -/
```

```
    //-----/
```



```
/**
 * The full name of the contributor.
 */
private String name;

/**
 * The email address of the contributor.
 */
private String email;

/**
 * The URL for the homepage
of the contributor.
 */
private String url;

/**
 * The organization to which the contributor belongs.
 */
private String organization;

/**
 * The URL of the organization.
 */
private String organizationUrl;

/**
 * Field roles.
 */
private java.util.List<String> roles;

/**
 * The timezone the contributor is in. This is a number in the
 * range -11 to 12.
 */
private String timezone;

/**
 * Field properties.
 */
private java.util.Properties properties;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;
```

```

//-----/
//- Methods -/
//-----/

/**
 * Method addProperty.
 *
 * @param key
 * @param value
 */
public void addProperty( String key, String value )
{
    getProperties().put( key, value );
} //-- void addProperty( String, String
)

/**
 * Method addRole.
 *
 * @param string
 */
public void addRole( String string )
{
    getRoles().add( string );
} //-- void addRole( String )

/**
 * Method clone.
 *
 * @return Contributor
 */
public Contributor clone()
{
    try
    {
        Contributor copy = (Contributor) super.clone();

        if ( this.roles != null )
        {
            copy.roles = new java.util.ArrayList<String>();
            copy.roles.addAll( this.roles );
        }

        if ( this.properties != null )
        {
            copy.properties = (java.util.Properties) this.properties.clone();
        }
    }
}

```

```

        if ( copy.locations != null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }

        return copy;
    }
    catch ( java.lang.Exception ex )
    {

        throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
            + " does not support clone()" ).initCause( ex );
    }
} //-- Contributor clone()

/**
 * Get the email address of the contributor.
 *
 * @return String
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full name of the contributor.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the organization to which the contributor belongs.

```

```

*
* @return String
*/
public String
getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
* Get the URL of the organization.
*
* @return String
*/
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
* Method getProperties.
*
* @return Properties
*/
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
* Method getRoles.
*
* @return List
*/
public java.util.List<String> getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList<String>();
    }

    return this.roles;
} //-- java.util.List<String> getRoles()

```

```
/**
 * Get the timezone the contributor is in. This is a number in
 * the range -11 to 12.
 *
 * @return String
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()
```

```
/**
 * Get the URL for the homepage of the contributor.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()
```

```
/**
 * Method removeRole.
 *
 * @param string
 */
public void removeRole( String string )
{
    getRoles().remove( string );
} //-- void removeRole( String )
```

```
/**
 * Set the email address of the contributor.
 *
 * @param email
 */
public void setEmail( String email )
{
    this.email = email;
} //-- void setEmail( String )
```

```
/**
 *
 *
 * @param key
 * @param location
```

```

*/
public void setLocation( Object key, InputLocation location
)
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //-- void setLocation( Object, InputLocation )

/**
 * Set the full name of the contributor.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the organization to which the contributor belongs.
 *
 * @param organization
 */
public void setOrganization( String organization )
{
    this.organization = organization;
} //-- void setOrganization( String )

/**
 * Set the URL of the organization.
 *
 * @param organizationUrl
 */
public void setOrganizationUrl( String organizationUrl )
{
    this.organizationUrl
= organizationUrl;
} //-- void setOrganizationUrl( String )

/**
 * Set properties about the contributor, such as an instant
 * messenger handle.

```

```

*
* @param properties
*/
public void setProperties( java.util.Properties properties )
{
    this.properties = properties;
} //-- void setProperties( java.util.Properties )

/**
* Set the roles the contributor plays in the project. Each
* role is described by a
* <code>role</code> element, the body of which is
* a role name. This can also be used to
* describe the contribution.
*
* @param roles
*/
public void setRoles( java.util.List<String> roles )
{
    this.roles = roles;
} //-- void setRoles( java.util.List )

/**
* Set the timezone the contributor is in. This is a number in
* the range -11 to 12.
*
* @param timezone
*/
public void setTimezone(
String timezone )
{
    this.timezone = timezone;
} //-- void setTimezone( String )

/**
* Set the URL for the homepage of the contributor.
*
* @param url
*/
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )
}

```

1.345 plexus-interpolation 1.14

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```
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jar/org/codehaus/plexus/interpolation/PropertiesBasedValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/object/ObjectInterpolator.java
*
/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/AbstractValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/SimpleRecursionInterceptor.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/PrefixedValueSourceWrapper.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/Interpolator.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/InterpolationCycleException.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/ValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/object/FieldBasedObjectInterpolator.java
*
/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/InterpolationPostProcessor.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/FeedbackEnabledValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
```


jar/org/codehaus/plexus/interpolation/InterpolationException.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/StringSearchInterpolator.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/AbstractDelegatingValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/PrefixAwareRecursionInterceptor.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/object/ObjectInterpolationWarning.java
*
/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/RegexBasedInterpolator.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/RecursionInterceptor.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/QueryEnabledValueSource.java
* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
jar/org/codehaus/plexus/interpolation/AbstractFunctionValueSourceWrapper.java
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* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-jar/org/codehaus/plexus/interpolation/reflection/ReflectionValueExtractor.java

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* /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-jar/org/codehaus/plexus/interpolation/multi/DelimiterSpecification.java

*

/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-jar/org/codehaus/plexus/interpolation/SingleResponseValueSource.java

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 jar/org/codehaus/plexus/interpolation/InterpolatorFilterReader.java
 * /opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-
 jar/org/codehaus/plexus/interpolation/multi/MultiDelimiterInterpolatorFilterReader.java

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*

/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-jar/org/codehaus/plexus/interpolation/reflection/ClassMap.java

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jar/org/codehaus/plexus/interpolation/PrefixedObjectValueSource.java

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/opt/cola/permits/1001013641_1651084706.67/0/plexus-interpolation-1-14-sources-jar/org/codehaus/plexus/interpolation/PrefixedPropertiesValueSource.java

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/**

* Determines if the current OS matches the given OS
* version.

*

* @param version the OS version to check for

* @return true if the OS matches

* @since 1.0

*/

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1.346 maven-artifact-manager 2.0.6

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1.347 maven-aether-provider 3.0

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1.348 maven-plugin-descriptor 2.0.9

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1.349 aether-api 1.7

1.350 maven-dependency-tree 2.1

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1.351 maven-plugin-descriptor 2.0.6

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1.352 maven-model 2.0.6

1.352.1 Available under license :

```
/*
 * $Id$
 */

package org.apache.maven.model;

/**
 *
 * Description of a person who has contributed to the
 * project, but who does
 * not have commit privileges. Usually, these contributions
 * come in the
 * form of patches submitted.
 *
 *
 * @version $Revision$ $Date$
 */
public class Contributor implements java.io.Serializable {

    //-----/
    //- Class/Member Variables -/
    //-----/

    /**
     * Field name
     */
}
```



```
private String name;

/**
 * Field email
 */
private String email;

/**
 * Field url
 */
private String url;

/**
 * Field organization
 */
private String organization;

/**
 * Field organizationUrl
 */
private String organizationUrl;

/**
 * Field roles
 */
private java.util.List roles;

/**
 * Field timezone
 */
private String timezone;

/**
 * Field properties
 */
private
java.util.Properties properties;

//-----/
//- Methods -/
//-----/

/**
 * Method addProperty
 *
 * @param key
 * @param value
```

```

*/
public void addProperty(String key, String value)
{
    getProperties().put( key, value );
} //-- void addProperty(String, String)

/**
 * Method addRole
 *
 * @param string
 */
public void addRole(String string)
{
    getRoles().add( string );
} //-- void addRole(String)

/**
 * Get The email address of the contributor.
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 * Get The full name of the contributor.
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get The organization to which the contributor belongs.
 */
public String getOrganization()
{
    return this.organization;
} //-- String
getOrganization()

/**
 * Get The URL of the organization.
 */
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

```

```

/**
 * Method getProperties
 */
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
 * Method getRoles
 */
public java.util.List getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList();
    }

    return this.roles;
} //-- java.util.List getRoles()

/**
 * Get
 *      The timezone the contributor is in. This is a
 *      number in the range -11 to 12.
 *
 */
public String getTimezone()
{
    return this.timezone;
} //-- String
getTimezone()

/**
 * Get The URL for the homepage of the contributor.
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**

```

```

* Method removeRole
*
* @param string
*/
public void removeRole(String string)
{
    getRoles().remove( string );
} //-- void removeRole(String)

/**
* Set The email address of the contributor.
*
* @param email
*/
public void setEmail(String email)
{
    this.email = email;
} //-- void setEmail(String)

/**
* Set The full name of the contributor.
*
* @param name
*/
public void setName(String name)
{
    this.name = name;
} //-- void setName(String)

/**
* Set The organization to which the contributor belongs.
*
* @param organization
*/
public void setOrganization(String organization)
{
    this.organization = organization;
} //-- void setOrganization(String)

/**
* Set The URL of the organization.
*
* @param organizationUrl
*/
public void setOrganizationUrl(String organizationUrl)
{
    this.organizationUrl = organizationUrl;
}

```

```

} //-- void setOrganizationUrl(String)

/**
 * Set
 *     Properties about the contributor, such as an
 *     instant messenger handle.
 *
 *
 * @param properties
 */
public void setProperties(java.util.Properties properties)
{
    this.properties = properties;
} //-- void setProperties(java.util.Properties)

/**
 * Set
 *     The roles the contributor plays in the project.
 * Each role is
 *     described by a <code>role</code> element, the
 *     body of which is a
 *     role name. This can also be used to describe the
 *     contribution.
 *
 *
 * @param roles
 */
public void setRoles(java.util.List roles)

{
    this.roles = roles;
} //-- void setRoles(java.util.List)

/**
 * Set
 *     The timezone the contributor is in. This is a
 *     number in the range -11 to 12.
 *
 *
 * @param timezone
 */
public void setTimezone(String timezone)
{
    this.timezone = timezone;
} //-- void setTimezone(String)

/**
 * Set The URL for the homepage of the contributor.

```

```

*
* @param url
*/
public void setUrl(String url)
{
    this.url = url;
} //-- void setUrl(String)

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}}

```

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```
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// Version 2.0, in this case for Maven Model  
// -----
```

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/*

* \$Id\$

*/

package org.apache.maven.model;

/**

*

* Describes the licenses for this project. This is used

* to generate

* the license page of the project's web site, as well as

* being taken into consideration in other reporting and

* validation. The licenses listed for the project are that

* of the project itself, and not of dependencies.

*

*

* @version \$Revision\$ \$Date\$

*/

public class License implements java.io.Serializable {

//-----/

//- Class/Member Variables -/

//-----/

/**

* Field name

*/

private String name;

/**

* Field url

*/

private String url;

/**

* Field distribution

*/

private String distribution;

/**

* Field comments

*/

private String comments;

//-----/

```

//- Methods -/
//-----/

/**
 * Get
 *      Addendum information pertaining to this license.
 *
 */
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get
 *      The primary method by which this project may
 * be distributed.
 *      <dl>
 *          <dt>repo</dt>
 *          <dd>may be downloaded from the Maven
 * repository</dd>
 *          <dt>manual</dt>
 *          <dd>user must manually download and install
 * the dependency.</dd>
 *      </dl>
 *
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 * Get The full legal name of the license.
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get The official url for the license text.
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

```

```

/**
 * Set
 *      Addendum information pertaining to this license.
 *
 *
 * @param comments
 */
public void setComments(String comments)
{
    this.comments = comments;
} //-- void setComments(String)

/**
 * Set
 *      The primary method by which this project may
 * be distributed.
 *      <dl>
 *          <dt>repo</dt>
 *          <dd>may be downloaded from the Maven
 * repository</dd>
 *          <dt>manual</dt>
 *          <dd>user must manually download and install
 * the dependency.</dd>
 *      </dl>
 *
 *
 * @param distribution
 */
public void setDistribution(String distribution)
{
    this.distribution = distribution;
} //-- void setDistribution(String)

/**
 * Set The full legal name of the license.
 *
 * @param name
 */
public void setName(String name)
{
    this.name
= name;
} //-- void setName(String)

/**
 * Set The official url for the license text.
 *
 * @param url

```

```

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

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}}

```

1.353 maven-settings 2.0.6

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1.361 plexus-container-default 1.5.5

1.362 sisu-guice 2.1.7

1.363 plexus-cipher 1.4

1.364 plexus-component-annotations 1.7.1

1.365 maven-plugin-registry 2.0.6

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1.366 maven-repository-metadata 2.0.6

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1.367 aether-spi 1.7

1.368 maven-core 2.0.9

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```

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1.372 maven-model 2.2.1

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/*

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=====

*/

package org.apache.maven.model;

/**

* Describes the licenses for this project. This is used to
* generate the license
* page of the project's web site, as well as being taken
* into consideration in other reporting
* and validation. The licenses listed for the project are
* that of the project itself, and not
* of dependencies.

```

*
* @version $Revision$ $Date$
*/
public class License
    implements java.io.Serializable
{

    //-----/
    //- Class/Member Variables -/
    //-----/

    /**
     * The full legal name of the license.
     */
    private String name;

    /**
     * The official url for the license text.
     */
    private String url;

    /**
     *
     *
     *
     *
     * The primary method by which this project may be
     * distributed.
     * <dl>
     * <dt>repo</dt>
     * <dd>may be downloaded from the Maven
     * repository</dd>
     * <dt>manual</dt>
     * <dd>user must manually download and install
     * the dependency.</dd>
     * </dl>
     *
     *
     */
    private String distribution;

    /**
     * Addendum information pertaining to this license.
     */
    private String comments;

    //-----/
    //- Methods -/

```



```

//-----/

/**
 * Get addendum information pertaining to this license.
 *
 * @return String
 */
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get the primary method by which this project may be
 * distributed.
 *
 * <dl>
 *     <dt>repo</dt>
 *
 * <dd>may be downloaded from the Maven
 * repository</dd>
 *
 *     <dt>manual</dt>
 *
 *     <dd>user must manually download and install
 * the dependency.</dd>
 *
 * </dl>
 *
 * @return String
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 * Get the full legal name of the license.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the official url for the license text.
 *
 * @return String
 */
public String getUrl()

```

```

{
    return this.url;
} //-- String getUrl()

/**
 * Set addendum information pertaining to this license.
 *
 * @param comments
 */
public void setComments( String comments )
{
    this.comments = comments;
} //-- void setComments( String )

/**
 * Set the primary method
by which this project may be
 * distributed.
 *
 * <dl>
 *     <dt>repo</dt>
 *     <dd>may be downloaded from the Maven
 * repository</dd>
 *     <dt>>manual</dt>
 *     <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 * @param distribution
 */
public void setDistribution( String distribution )
{
    this.distribution = distribution;
} //-- void setDistribution( String )

/**
 * Set the full legal name of the license.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the official url for the license text.
 *
 * @param url

```

```

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

}
/*
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=====
*/

package org.apache.maven.model;

/**
 * Description of a person who has contributed to the project, but
 * who does not have
 *     commit privileges. Usually, these contributions come in
 * the form of patches submitted.
 *
 * @version $Revision$ $Date$
 */
public class Contributor
    implements java.io.Serializable
{
    //-----/
    // - Class/Member Variables -/
    //-----/

    /**
     * The full name of the contributor.
     */
    private String name;

    /**
     * The email address of the contributor.
     */
    private String email;

    /**
     * The URL for the homepage of the contributor.
     */
    private String url;

```

```

/**
 * The organization to which the contributor belongs.
 */
private String organization;

/**
 * The URL of the organization.
 */
private String organizationUrl;

/**
 * Field roles.
 */
private java.util.List<String> roles;

/**
 * The timezone the contributor is in. This is a number in the
 * range -11 to 12.
 */
private String timezone;

/**
 * Field properties.
 */
private java.util.Properties properties;

//-----/
// - Methods -/
//-----/

/**
 * Method addProperty.
 *
 * @param key
 * @param value
 */
public void addProperty( String key, String value )
{
    getProperties().put( key, value );
} //-- void addProperty( String, String )

/**
 * Method addRole.
 *
 * @param string
 */
public void addRole( String string )

```

```

{
    if ( !(string instanceof String) )
    {
        throw new ClassCastException( "Contributor.addRoles(string) parameter must be instanceof " +
String.class.getName() );
    }
    getRoles().add( string );
} //-- void addRole( String )

/**
 * Get the email address of the contributor.
 *
 * @return String
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 * Get the full name of the contributor.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the organization to which the contributor belongs.
 *
 * @return String
 */
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
 * Get the URL of the organization.
 *
 * @return String
 */
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

```

```

/**
 * Method getProperties.
 *
 * @return Properties
 */
public java.util.Properties
getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
 * Method getRoles.
 *
 * @return List
 */
public java.util.List<String> getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList<String>();
    }

    return this.roles;
} //-- java.util.List<String> getRoles()

/**
 * Get the timezone the contributor is in. This is a number in
 * the range -11 to 12.
 *
 * @return String
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get the URL for the homepage of the contributor.
 *
 * @return String
 */

```

```

public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole.
 *
 * @param string
 */
public void removeRole( String string )
{
    if ( !(string instanceof String) )
    {
        throw new ClassCastException( "Contributor.removeRoles(string) parameter must be instanceof " +
String.class.getName() );
    }
    getRoles().remove( string );
} //-- void removeRole( String )

/**
 * Set the email address of the contributor.
 *
 * @param email
 */
public void setEmail( String email )
{
    this.email = email;
} //-- void setEmail( String )

/**
 * Set the full name of the contributor.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the organization to which the contributor belongs.
 *
 * @param organization
 */
public void setOrganization( String organization )
{
    this.organization = organization;
}

```

```

    } //-- void setOrganization(
String )

/**
 * Set the URL of the organization.
 *
 * @param organizationUrl
 */
public void setOrganizationUrl( String organizationUrl )
{
    this.organizationUrl = organizationUrl;
} //-- void setOrganizationUrl( String )

/**
 * Set properties about the contributor, such as an instant
 * messenger handle.
 *
 * @param properties
 */
public void setProperties( java.util.Properties properties )
{
    this.properties = properties;
} //-- void setProperties( java.util.Properties )

/**
 * Set the roles the contributor plays in the project. Each
 * role is described by a
 * <code>role</code> element, the body of which is
 * a role name. This can also be used to
 * describe the contribution.
 *
 * @param roles
 */
public void setRoles( java.util.List<String> roles )
{
    this.roles = roles;
} //-- void setRoles( java.util.List
)

/**
 * Set the timezone the contributor is in. This is a number in
 * the range -11 to 12.
 *
 * @param timezone
 */
public void setTimezone( String timezone )
{
    this.timezone = timezone;
}

```



```

} //-- void setTimezone( String )

/**
 * Set the URL for the homepage of the contributor.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

}

```

1.373 maven-plugin-api 3.0

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1.374 commons-cli 1.4

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1.382 maven-settings 2.2.1

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1.387 jetty-xml 9.4.10.v20180503

1.388 wagon-http-shared 1.0-beta-2

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1.389 wagon-file 1.0-beta-2

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1.390 jetty-security 9.4.10.v20180503

1.391 jetty-webapp 9.4.10.v20180503

1.392 xbean-spring 4.2

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1.393 jetty-util 9.4.10.v20180503

1.394 wagon-http-lightweight 1.0-beta-2

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1.395 bean-validation-api 1.1.0

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1.398 commons-lang3 3.1

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1.399 guava 21.0

1.400 wagon-provider-api 2.8

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<https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

* Source:

<https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

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* Project: <https://maven.apache.org/>

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mex.xsd Version: 2004/09 (n/a)

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* Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

*

Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

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* License: Pending

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<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

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wsat.xsd Version: 2004/10 (n/a)

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* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

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<http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wrm Version: 2005/02 (n/a)

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* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wrm-policy.xsd>

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1.407 snowball-stemmer 1.3.0.581.1

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1.415 ganymed-ssh2 build210

1.416 jakarta-regexp 1.4

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1.418 jackson-module-parameter-names 2.9.5

1.419 jackson-datatype-jsr310 2.9.5

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1.421 pam 1.1.8-3.6ubuntu2

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
=====
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
 close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+ int retval = PAM_IGNORE, rc;
+ char *user = NULL;
+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+ PAM_MODUTIL_DEF_PRIVS(privs);
+
+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+ pam_syslog(pamh, LOG_ERR,
+ "Unable to change UID to %d temporarily\n",
+ pwd->pw_uid);
+ retval = PAM_SESSION_ERR;
+ goto finished;
+ }
+
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+ goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+ goto finished;
+
+ if (stat(flag, &s) != 0)
+ {
+ display_file(pamh, "/etc/legal");
+ mkdir(dir, 0700);
+ f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
```

```

+         S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+         if (f>=0) close(f);
+     }
+
+finished:
+     if (pam_modutil_regain_priv(pamh,
+&privs)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID back to %d\n", privs.old_uid);
+         retval = PAM_SESSION_ERR;
+     }
+
+     _pam_drop(flag);
+     _pam_drop(dir);
+ }
+ }
+ return retval;
+}
+

```

PAM_EXTERN

```

int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)

```

```

@@ -116,6 +171,9 @@

```

```

    /* Display the updated motd */

```

```

    display_file(pamh, motd_path);

```

```

+ /* Display the legal disclaimer only if necessary */

```

```

+     retval = display_legal(pamh);

```

```

+

```

```

    return retval;

```

```

}

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

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1.422 libxcb 1.13-1

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1.424 jansi-native 1.8

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1.429 xauth 1.0.10-1

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1.430 commons-chain 1.1

1.431 maven-reporting-impl 2.1

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1.432 plexus-velocity 1.1.7

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* /opt/cola/permits/1001452686_1646171630.95/0/plexus-velocity-1-1-7-sources-
jar/org/codehaus/plexus/velocity/DefaultVelocityComponent.java
* /opt/cola/permits/1001452686_1646171630.95/0/plexus-velocity-1-1-7-sources-
jar/org/codehaus/plexus/velocity/VelocityComponent.java
* /opt/cola/permits/1001452686_1646171630.95/0/plexus-velocity-1-1-7-sources-
jar/org/codehaus/plexus/velocity/SiteResourceLoader.java
*
/opt/cola/permits/1001452686_1646171630.95/0/plexus-velocity-1-1-7-sources-
jar/org/codehaus/plexus/velocity/ContextClassLoaderResourceLoader.java

1.433 maven-shared-io 1.1

1.434 file-management 1.2.1

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1.435 jackson-module-afterburner 2.9.5

1.436 wagon-ssh-common 1.0-beta-2

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1.437 doxia-module-fml 1.0

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1.438 doxia-module-xhtml 1.0

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1.440 plexus-container-default 1.0-alpha-9

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* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-

jar/org/codehaus/plexus/component/configurator/ConfigurationListener.java

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* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/composition/MapOrientedComponentComposer.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/MapOrientedComponentConfigurator.java
*

/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/DuplicateChildContainerException.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/discovery/PlexusXmlComponentDiscoverer.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/MapOrientedComponent.java

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* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/personality/plexus/lifecycle/phase/StoppingException.java

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jar/org/codehaus/plexus/embed/Embedder.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/PlexusContainerHost.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/composition/DefaultCompositionResolver.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/basic/UrlConverter.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/basic/FileConverter.java
*
/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscovererManager.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/ConfigurationConverter.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/basic/ShortConverter.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/lookup/DefaultConverterLookup.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/expression/DefaultExpressionEvaluator.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/basic/DateConverter.java
*
/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/basic/AbstractBasicConverter.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/repository/DefaultComponentRepository.java
* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/component/configurator/converters/composite/ArrayConverter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/BooleanConverter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/ComponentConfigurator.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluationException.java

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/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/FileConfigurationResourceHandler.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/BasicComponentConfigurator.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/PropertiesConverter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/Converter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/IntConverter.java

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/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/composition/DefaultComponentComposerManager.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/factory/DefaultComponentFactoryManager.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationProcessingException.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/composition/SetterComponentComposer.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationResourceHandler.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/manager/KeepAliveSingletonComponentManager.java

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/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationProcessor.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/StringConverter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/PlexusConfigurationMerger.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/lookup/ConverterLookup.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/MapConverter.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/ByteConverter.java

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/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/PlexusTestCase.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/AbstractConfigurationResourceHandler.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/FloatConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/SimplePlexusContainerManager.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/DirectoryConfigurationResourceHandler.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/PlexusConfigurationConverter.java
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 /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/expression/ExpressionEvaluator.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/composition/NoOpComponentComposer.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/StringBufferConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/AbstractComponentConfigurator.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/CharConverter.java
 *
 /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/lifecycle/DefaultLifecycleHandlerManager.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/basic/LongConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/CollectionConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/manager/ClassicSingletonComponentManager.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/processor/ConfigurationResourceNotFoundException.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/DefaultPlexusContainer.java
 *
 /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/AbstractConfigurationConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/discovery/DefaultComponentDiscoverer.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/lifecycle/BasicLifecycleHandler.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/configurator/converters/composite/ObjectWithFieldsConverter.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/composition/FieldComponentComposer.java
 * /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/configuration/xml/XmlPlexusConfiguration.java
 *
 /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-jar/org/codehaus/plexus/component/manager/PerLookupComponentManager.java

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jar/org/codehaus/plexus/context/ContextException.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/logging/Logger.java

*

/opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/configuration/PlexusConfiguration.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/context/Context.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/configuration/PlexusConfigurationException.java

* /opt/cola/permits/1001477444_1646171641.44/0/plexus-container-default-1-0-alpha-9-sources-
jar/org/codehaus/plexus/logging/LogEnabled.java

1.441 doxia-decoration-model 1.0

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*/

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 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/JSchException.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/UserAuthNone.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/SignatureDSA.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/MAC.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/HMACSHA1.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/Compression.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/SignatureDSA.java
 *
 /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jcraft/Compression.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/AES128CBC.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/UserAuth.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/RequestSignal.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/MD5.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/JSchAuthCancelException.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ProxySOCKS5.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/AES192CBC.java
 * /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-

```
jar/com/jcraft/jsch/RequestWindowChange.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/SignatureRSA.java
*
/opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-
jar/com/jcraft/jsch/ChannelForwardedTCPIP.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/KeyPairGenRSA.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/RequestPtyReq.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/KeyPair.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/HostKey.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ChannelSftp.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ChannelShell.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/HMACMD596.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-
jar/com/jcraft/jsch/SftpProgressMonitor.java
*
/opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/JSch.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ChannelX11.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/DH.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/RequestX11.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/IdentityFile.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/DH.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/IO.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/Session.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/jce/HMACMD5.java
* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/UserInfo.java
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* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/RequestSubsystem.java

* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ChannelSubsystem.java

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* /opt/cola/permits/1001477492_1646171666.21/0/jsch-0-1-27-sources-jar/com/jcraft/jsch/ProxySOCKS4.java

1.445 wagon-ssh 1.0-beta-2

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1.446 jetty-xml 9.4.11.v20180605

1.447 jetty-webapp 9.4.11.v20180605

1.448 jackson-module-parameter-names 2.9.6

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1.450 jackson-datatype-jsr310 2.9.6

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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 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.

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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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1.455 jdiameter-ha-parent 1.1.0

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1.456 maven-shared-utils 3.2.1

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1.465 aether-util 1.0.0.v20140518

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1.468 plexus-build-api 0.0.7

1.469 aether-spi 1.0.0.v20140518

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1.471 wagon-http-shared 3.0.0

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1.472 wagon-provider-api 3.0.0

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1.475 wagon-http 3.0.0

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1.487 dropwizard-client 1.3.2

1.488 dropwizard-core 1.3.2

1.489 drop-wizard-metrics 1.3.2

1.490 libapache2-mod-authnz-external 3.3.2-0.1

1.491 dropwizard-configuration 1.3.2

1.492 kubernetes-model 2.1.1

1.493 dropwizard-util 1.3.2

1.494 dropwizard-servlets 1.3.2

1.495 dropwizard-jersey 1.3.2

1.496 dropwizard-validation 1.3.2

1.497 dropwizard-request-logging 1.3.2

1.498 dropwizard-jackson 1.3.2

1.499 httpcomponents-mime 4.3.2

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

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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The End

1.505 subversion 1.9.7-4ubuntu1

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```
#!/usr/bin/env python
#
# check if a file has the proper license in it
#
# USAGE: check-license.py [-C] file1 file2 ... fileN
#
# A 'file' may in fact be a directory, in which case it is recursively
# searched.
#
# If the license cannot be found, then the filename is printed to stdout.
# Typical usage:
# $ check-license.py . > bad-files
#
# -C switch is used to change licenses.
# Typical usage:
# $ check-license.py -C file1 file2 ... fileN
#
```

```
import sys, os, re
```

```
# Note: Right now, OLD_LICENSE and NEW_LICENSE are the same, because
# r878444 updated all the license blocks. In the future, if we update
# the license block again, change just NEW_LICENSE and use this script.
```

```
OLD_LICENSE = "\
\* =====
\* Licensed to the Subversion Corporation \((SVN Corp\.\) under one
\* or more contributor license agreements\). See the NOTICE file
\* distributed with this work for additional information
\* regarding copyright
ownership\). The SVN Corp\). licenses this file
\* to you under the Apache License, Version 2\0.0 \((the
\* "License"); you may not use this file except in compliance
\* with the License\). You may obtain a copy of the License at
\*
\* http://www.apache.org/licenses/LICENSE-2.0
```

```

\*
\* Unless required by applicable law or agreed to in writing,
\* software distributed under the License is distributed on an
\* "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY
\* KIND, either express or implied\ See the License for the
\* specific language governing permissions and limitations
\* under the License\
\* =====
'''

```

```
SH_OLD_LICENSE = re.subn(r'(?m)^\*\s*, \#', OLD_LICENSE)[0]
```

```
# Remember not to do regexp quoting for NEW_LICENSE. Only OLD_LICENSE
# is used for matching; NEW_LICENSE is inserted as-is.
```

```
NEW_LICENSE = "\
\* =====
\* Licensed to the Subversion Corporation (SVN Corp.) under one
\* or more contributor license agreements. See the NOTICE file
\* distributed with this work for additional information
\* regarding copyright ownership. The SVN Corp. licenses this file
\* to you under the Apache License, Version 2.0 (the
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\* KIND, either express or implied. See the License for the
\* specific language governing permissions and limitations
\* under the License.
\* =====
'''

```

```
SH_NEW_LICENSE = re.subn(r'(?m)^\*\s*, \#', NEW_LICENSE)[0]
```

```
re_OLD
= re.compile(OLD_LICENSE)
re_SH_OLD = re.compile(SH_OLD_LICENSE)
re_EXCLUDE = re.compile(
    r'automatically generated by SWIG'
    + r'|Generated from configure\,in'
    + r'|placed into the public domain'
)

```

```
c_comment_suffices = ('.c', '.java', '.h', '.cpp', '.hw', '.pas')
```

```

# Yes, this is an empty tuple. No types that fit in this category uniformly
# have a copyright block.
# Possible types to add here:
# ('.bat', '.py', '.pl', '.in')
sh_comment_suffices = ()

def check_file(fname, old_re, new_lic):
    s = open(fname).read()
    if (not old_re.search(s)
        and not re_EXCLUDE.search(s)):
        print(fname)

def change_license(fname, old_re, new_lic):
    s = open(fname).read()
    m = old_re.search(s)
    if not m:
        print('ERROR: missing old license: %s' % fname)
    else:
        s = s[:m.start()] + new_lic + s[m.end():]
        open(fname, 'w').write(s)
        print('Changed: %s' % fname)

def visit(baton, dirname, dircontents):
    file_func = baton
    for i in dircontents:
        # Don't
        recurse into certain directories
        if i in ('.svn', '.libs'):
            dircontents.remove(i)
            continue

        extension = os.path.splitext(i)[1]
        fullname = os.path.join(dirname, i)

        if os.path.isdir(fullname):
            continue

        if extension in c_comment_suffices:
            file_func(fullname, re_OLD, NEW_LICENSE)
        elif extension in sh_comment_suffices:
            file_func(fullname, re_SH_OLD, SH_NEW_LICENSE)

def main():
    file_func = check_file
    if sys.argv[1] == '-C':
        print('Changing license text...')
        del sys.argv[1]
        file_func = change_license

```

```
for f in sys.argv[1:]:
    if os.path.isdir(f):
        baton = file_func
        for dirpath, dirs, files in os.walk(f):
            visit(baton, dirpath, dirs + files)
    else:
        baton = file_func
        dir, i = os.path.split(f)
        visit(baton, dir, i)

if __name__ == '__main__':
    main()
```

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```

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```
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1.516 httpcomponents-client 4.5.2

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1.517 plexus-interactivity-api 1.0-alpha-6

1.518 plexus-interactivity-api 1.0-alpha-4

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* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/OutputHandler.java

* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/AbstractInputHandler.java

* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/PrompterException.java

* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/Prompter.java

*

/opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/DefaultInputHandler.java

* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-jar/org/codehaus/plexus/components/interactivity/Handler.java

* /opt/cola/permits/1003523487_1646171696.02/0/plexus-interactivity-api-1-0-alpha-4-sources-

1.519 threetenbp 1.3.6

1.520 swagger 1.5.15

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1.521 asm-tree 4.1

1.522 simpleclient-common 0.2.0

1.523 simpleclient-httpserver 0.2.0

1.524 simpleclient 0.2.0

1.525 maven-toolchain 2.0.9

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- Maven Wagon Lightweight HTTP Provider (<http://maven.apache.org/wagon/wagon-providers/wagon-http-lightweight>)
- Maven Wagon HTTP Shared Library (<http://maven.apache.org/wagon/wagon-providers/wagon-http-shared>)
- Maven Wagon API (<http://maven.apache.org/wagon/wagon-provider-api>)
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1.526 plexus-digest 1.0

1.527 maven-shared-utils 0.3

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1.532 plexus-archiver 2.1

1.533 migbase64 2.2

1.534 google-auth-library-credentials 0.13.0

1.535 xorg 7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.536 iputils 20161105-1ubuntu3

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

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The following artifacts are EPL and CDDL 1.0.

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

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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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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.538 jetty-util 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

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

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

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

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.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

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.

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1.540 jetty-security 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

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

Mortbay

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<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.

1.541 kubernetes-model 4.1.0

1.542 kubernetes-client 4.1.0

1.543 eclipse-equinox-p2-metadata 2.3.100

1.543.1 Available under license :

```
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*****  
*/
```

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* the Eclipse Public License v1.0 which accompanies this distribution, and is  
* available at http://www.eclipse.org/legal/epl-v10.html  
*
```

```
* Contributors:
```

```
* EclipseSource - initial API and implementation  
* IBM - ongoing development  
*****
```

```
package org.eclipse.equinox.p2.metadata;
```

```
import java.net.URI;
```

```
/**
```

```
* The ILicense interface represents a software license. A license has required body text  
* which may be the full text or an annotation. An optional URL field can be specified  
**
```

* which links to full text. Licenses can be easily compared using their digests.

* Licenses can be added to arbitrary installable units, and will typically be displayed to end users and require explicit agreement before installation proceeds.

* <p>

* Instances of this class are handle objects and do not necessarily reflect entities that exist in any particular profile or repository. These handle objects can be created using { @link MetadataFactory }.

* </p>

*

* @noimplement This interface is not intended to be implemented by clients.

* @noextend This interface is not intended to be extended by clients.

* @since 2.0

*/

```
public interface ILicense {

    /**
     * Returns the location of a document containing the full license.
     *
     * @return the location of the license document, or <code>null</code>
     */
    public URI getLocation();

    /**
     * Returns the license body.
     * @return the license body, never <code>null</code>
     */
    public String getBody();

    /**
     * Returns the message digest of the license body. The digest is calculated on a normalized version of the license where all whitespace has been reduced to one space.
     *
     * @return the message digest as a <code>BigInteger</code>, never <code>null</code>
     */
    public String getUUID();

    /**
     * Returns whether this license is equal to the given object.
     *
     * This method returns <i>true</i> if:
     * <ul>
     * <li> Both this object and the given object are of type ILicense
     * <li> The result of <b>getDigest()</b> on both objects are equal
     * </ul>
     */
    public boolean equals(Object obj);
```



```

}
/*****
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* which accompanies this distribution, and is available at
* http://www.eclipse.org/legal/epl-v10.html
*
* Contributors:
*   IBM Corporation - initial API and implementation
*****/
package org.eclipse.equinox.internal.p2.metadata;

import java.net.URI;
import org.eclipse.equinox.p2.metadata.ICopyright;

/**
 * The <code>Copyright</code> class represents a software copyright. A copyright has
 * required body text which may be the full text or a summary. An optional location field can be specified
 * which links to full text.
 */
public class Copyright implements ICopyright {
    /**
     * The <code>body</code> contains the descriptive text
     for the copyright. This may
     * be a summary for a copyright specified in a URL.
     */
    private final String body;

    /**
     * The <code>location</code> is the location of a document containing a copyright notice.
     */
    private URI location;

    /**
     * Creates a new copyright. The body must contain the full text of the copyright.
     *
     * @param location the location of a document containing the copyright notice, or <code>null</code>
     * @param body the copyright body, cannot be <code>null</code>
     * @throws IllegalArgumentException when the <code>body</code> is <code>null</code>
     */
    public Copyright(URI location, String body) {
        if (body == null)
            throw new IllegalArgumentException("body cannot be null"); //$NON-NLS-1$
        this.location = location;
        this.body = body;
    }
}

```

```

/**
 * Returns the location of a document containing the copyright notice.
 *
 * @return The location of the copyright notice, or <code>null</code>
 */
public URI getLocation() {
    return location;
}

/**
 *
 * Returns the license body.
 *
 * @return the license body, never <code>null</code>
 */
public String getBody() {
    return body;
}
}

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 *
 * Contributors:
 *   Genuitec, LLC - initial API and implementation
 *   IBM Corporation - ongoing development
 *   EclipseSource - ongoing development
 *****/
package org.eclipse.equinox.internal.p2.metadata;

import java.io.UnsupportedEncodingException;
import java.math.BigInteger;
import java.net.URI;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import org.eclipse.equinox.p2.metadata.ILicense;

/**
 * The <code>License</code> class represents a software license. A license has required body text
 * which may be the full text or an annotation. An optional URL field can be specified
 * which links to full text. Licenses can be easily compared using their digests.
 */
public class License implements ILicense {
    /**
     * The <code>body</code> contains the descriptive text for the license. This may

```

```

* be a summary for a full license specified in a URL.
*/
private final String body;

/**
 * The <code>location</code> is the URL of the license.
 */
private URI location;

/**
 * The <code>digest</code> is the cached message digest of the normalized body
 */
private String digest;

/**
 * Creates a new license object which is identified by users using the <code>body</code> field.
 * The body should contain either the full text of the license or an summary for a license
 * fully specified in the given location.
 *
 * @param location the location of a document containing the full license, or <code>null</code>
 * @param body the license body, cannot be <code>null</code>

 * @throws IllegalArgumentException when the <code>body</code> is <code>null</code>
 */
public License(URI location, String body, String uuid) {
    if (body == null)
        throw new IllegalArgumentException("body cannot be null"); //$NON-NLS-1$
    this.body = body;
    this.location = location;
    this.digest = uuid;
}

/**
 * Returns the location of a document containing the full license.
 *
 * @return the location of the license document, or <code>null</code>
 */
public URI getLocation() {
    return location;
}

/**
 * Returns the license body.
 * @return the license body, never <code>null</code>
 */
public String getBody() {
    return body;
}

```

```

/**
 * Returns the message digest of the license body. The digest is calculated on a normalized
 * version of the license where all whitespace has been reduced to one space.
 * @return the message digest as a <code>BigInteger</code>, never <code>>null</code>
 */
public synchronized String getUUID() {
    if (digest == null)
        digest
        = calculateLicenseDigest().toString(16);

    return digest;
}

/* (non-Javadoc)
 * @see java.lang.Object#equals(java.lang.Object)
 */
public boolean equals(Object obj) {
    if (obj == this)
        return true;
    if (obj == null)
        return false;
    if (obj instanceof ILicense) {
        ILicense other = (ILicense) obj;
        if (other.getUUID().equals(getUUID()))
            return true;
    }
    return false;
}

/* (non-Javadoc)
 * @see java.lang.Object#hashCode()
 */
public int hashCode() {
    return getUUID().hashCode();
}

private BigInteger calculateLicenseDigest() {
    String message = normalize(getBody());
    try {
        MessageDigest algorithm = MessageDigest.getInstance("MD5"); //$NON-NLS-1$
        algorithm.reset();
        algorithm.update(message.getBytes("UTF-8")); //$NON-NLS-1$
        byte[] digestBytes = algorithm.digest();
        return new BigInteger(1, digestBytes);
    } catch (NoSuchAlgorithmException e) {
        throw new RuntimeException(e);
    } catch (UnsupportedEncodingException e) {

```

```

    throw new RuntimeException(e);
  }
}

/**

* Replace all sequences of whitespace with a single whitespace character.
*/
private String normalize(String license) {
  String text = license.trim();
  StringBuffer result = new StringBuffer();
  int length = text.length();
  for (int i = 0; i < length; i++) {
    char c = text.charAt(i);
    boolean foundWhitespace = false;
    while (Character.isWhitespace(c) && i < length) {
      foundWhitespace = true;
      c = text.charAt(++i);
    }
    if (foundWhitespace)
      result.append(' ');
    if (i < length)
      result.append(c);
  }
  return result.toString();
}
}

```

1.544 swagger-jersey2-jaxrs 1.5.15

1.545 maven-model-builder 3.5.3

1.545.1 Available under license :

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1.546 maven-plugin-annotations 3.4

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1.547 eclipse-equinox-simpleconfigurator

1.1.200

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1.548 dropwizard-jersey 1.3.5

1.549 maven-model-builder 3.2.5

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1.550 eclipse-equinox-p2-publisher 1.4.100

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1.551 jackson-datatype-threetenbp 2.6.4

1.552 maven-model 3.2.5

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```
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// any modifications will be overwritten.
// =====

package org.apache.maven.model;

/**
 * Describes the licenses for this project. This is used to
 * generate the license
 * page of the project's web site, as well as being taken
 * into consideration in other reporting
 * and validation. The licenses listed for the project are
 * that of the project itself, and not
 * of dependencies.
 *
 * @version $Revision$ $Date$
 */
@SuppressWarnings( "all" )
public class License
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker
{

    //-----/
    //- Class/Member Variables -/
    //-----/

    /**
     * The full legal name of the license.
     */
    private String name;

    /**
     * The official url for the license text.
     */
    private String url;

    /**
     *
     */
}
```

```

*
*      The primary method by which this project may be
* distributed.
*      <dl>
*      <dt>repo</dt>
*      <dd>may be downloaded from the Maven
* repository</dd>
*      <dt>manual</dt>
*      <dd>user must manually download and install
* the dependency.</dd>
*      </dl>
*
*
*/
private String distribution;

/**
 * Addendum information pertaining to this license.
 */
private String comments;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//-----/
// - Methods -/
//-----/

/**
 * Method clone.
 *
 * @return License
 */
public License clone()
{
    try
    {
        License copy = (License) super.clone();

        if ( copy.locations
!= null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }
    }
}

```

```

        return copy;
    }
    catch ( java.lang.Exception ex )
    {
        throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
            + " does not support clone()" ).initCause( ex );
    }
} //-- License clone()

/**
 * Get addendum information pertaining to this license.
 *
 * @return String
 */
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get the primary method by which this project may be
 * distributed.
 *
 * <dl>
 *     <dt>repo</dt>
 *     <dd>may be downloaded from the Maven
 * repository</dd>
 *     <dt>>manual</dt>
 *     <dd>user must manually download and install
 * the dependency.</dd>
 *
 * </dl>
 *
 * @return String
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
}

```

```

} //-- InputLocation getLocation( Object )

/**
 * Get the full legal name of the license.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the official url for the license text.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Set addendum information pertaining to this license.
 *
 * @param comments
 */
public void setComments( String comments )
{
    this.comments = comments;
} //-- void setComments(
String )

/**
 * Set the primary method by which this project may be
 * distributed.
 *
 * <dl>
 * <dt>repo</dt>
 * <dd>may be downloaded from the Maven
 * repository</dd>
 * <dt>manual</dt>
 * <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 * @param distribution
 */
public void setDistribution( String distribution )

```



```

    {
        this.distribution = distribution;
    } //-- void setDistribution( String )

/**
 *
 *
 * @param key
 * @param location
 */
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //--
void setLocation( Object, InputLocation )

/**
 * Set the full legal name of the license.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the official url for the license text.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )
}

```

Maven Model

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```
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// Generated by Modello 1.8.1,  
// any modifications will be overwritten.  
// =====
```

```
package org.apache.maven.model;
```

```
/**
```

```
* Description of a person who has contributed to the project, but  
* who does not have  
*   commit privileges. Usually, these contributions come in  
* the form of patches submitted.
```

```
*
```

```
* @version $Revision$ $Date$
```

```
*/
```

```
@SuppressWarnings( "all" )
```

```
public class Contributor
```

```
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker
```

```
{
```

```
    //-----/
```

```
    //- Class/Member Variables -/
```

```
    //-----/
```

```
/**
```

```
* The full name of the contributor.
```

```
*/
```

```

private String name;

/**
 * The email address of the contributor.
 */
private String email;

/**
 * The URL for the homepage of the contributor.
 */
private String url;

/**
 * The organization to which the contributor belongs.
 */
private String organization;

/**
 * The URL of the organization.
 */
private String organizationUrl;

/**
 * Field roles.
 */
private java.util.List<String> roles;

/**
 *
 * The timezone the contributor is in. Typically,
 * this is a number in the range
 * <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 */
private String timezone;

/**
 * Field properties.
 */

```

```

private java.util.Properties properties;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//-----/
// -
Methods -/
//-----/

/**
 * Method addProperty.
 *
 * @param key
 * @param value
 */
public void addProperty( String key, String value )
{
    getProperties().put( key, value );
} //-- void addProperty( String, String )

/**
 * Method addRole.
 *
 * @param string
 */
public void addRole( String string )
{
    getRoles().add( string );
} //-- void addRole( String )

/**
 * Method clone.
 *
 * @return Contributor
 */
public Contributor clone()
{
    try
    {
        Contributor copy = (Contributor) super.clone();

        if ( this.roles != null )
        {
            copy.roles = new java.util.ArrayList<String>();

```



```

        copy.roles.addAll( this.roles );
    }

    if ( this.properties != null )
    {
        copy.properties = (java.util.Properties) this.properties.clone();
    }

    if
( copy.locations != null )
    {
        copy.locations = new java.util.LinkedHashMap( copy.locations );
    }

    return copy;
}
catch ( java.lang.Exception ex )
{
    throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
        + " does not support clone()" ).initCause( ex );
}
} //-- Contributor clone()

/**
 * Get the email address of the contributor.
 *
 * @return String
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full name of the contributor.
 *
 * @return String

```

```

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

/**
 * Get the organization to which the contributor belongs.
 *
 * @return String
 */
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
 * Get the URL of the organization.
 *
 * @return String
 */
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
 * Method getProperties.
 *
 * @return Properties
 */
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
 * Method getRoles.
 *
 * @return List
 */
public java.util.List<String> getRoles()
{

```

```

        if ( this.roles == null )
        {
            this.roles
= new java.util.ArrayList<String>();
        }

        return this.roles;
    } //-- java.util.List<String> getRoles()

/**
 * Get the timezone the contributor is in. Typically, this is a
 * number in the range
 * <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 * @return String
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get the URL for the homepage of the contributor.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole.
 *
 * @param string
 */
public void removeRole( String string )
{
    getRoles().remove(
string );
} //-- void removeRole( String )

```

```

/**
 * Set the email address of the contributor.
 *
 * @param email
 */
public void setEmail( String email )
{
    this.email = email;
} //-- void setEmail( String )

/**
 *
 *
 * @param key
 * @param location
 */
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //-- void setLocation( Object, InputLocation )

/**
 * Set the full name of the contributor.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the organization to which the contributor belongs.
 *
 * @param organization
 */
public void setOrganization( String organization )
{
    this.organization = organization;
} //-- void setOrganization( String )

```

```

/**
 * Set the URL of the organization.
 *
 * @param organizationUrl
 */
public void setOrganizationUrl( String organizationUrl )
{
    this.organizationUrl = organizationUrl;
} //-- void setOrganizationUrl( String )

/**
 * Set properties about the contributor, such as an instant
 * messenger handle.
 *
 * @param properties
 */
public void setProperties( java.util.Properties properties )
{
    this.properties = properties;
} //-- void setProperties( java.util.Properties )

/**
 * Set the roles the contributor plays in the project. Each
 * role is described by a
 *
 *     <code>role</code> element, the body of which is
 *
 *     a role name. This can also be used to
 *
 *     describe the contribution.
 *
 * @param
roles
 */
public void setRoles( java.util.List<String> roles )
{
    this.roles = roles;
} //-- void setRoles( java.util.List )

/**
 * Set the timezone the contributor is in. Typically, this is a
 * number in the range
 *
 *     <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 *
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 *
 * or a valid time zone id like
 *
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 *
 * (UTC+01:00).
 *
 * @param timezone

```

```

*/
public void setTimezone( String timezone )
{
    this.timezone = timezone;
} //-- void setTimezone( String )

/**
 * Set the URL for the homepage of the contributor.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

}

```

1.553 dropwizard-auth 1.1.1

1.554 maven-plugin-annotations 3.1

1.554.1 Available under license :

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1.555 plexus-interpolation 1.9

1.556 mockito 1.8.4

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1.557 pegdown 1.2.1

1.558 dropwizard-servlets 1.3.5

1.559 maven-settings 3.5.3

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1.560 maven-scm-provider-git-commons 1.8

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1.561 eclipse-equinox-frameworkadmin-equinox 1.0.700

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1.562 maven-model 3.5.3

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```
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// =====

package org.apache.maven.model;

/**
 * Describes the licenses for this project. This is used to
 * generate the license
 * page of the project's web site, as well as being taken
 * into consideration in other reporting
 * and validation. The licenses listed for the project are
 * that of the project itself, and not
 * of dependencies.
 *
 * @version $Revision$ $Date$
 */
@SuppressWarnings( "all" )
public class License
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker
{

    //-----/
    //- Class/Member Variables -/
    //-----/

    /**
     * The full legal name of the license.
     */
    private String name;

    /**
     * The official url for the license text.
     */
    private String url;

    /**
     *
     * The primary method by which this project may be
     * distributed.
     * <dl>
     * <dt>repo</dt>
     * <dd>may be downloaded from the Maven
     * repository</dd>
     * <dt>>manual</dt>

```

```

*      <dd>user must manually download and install
* the dependency.</dd>
*      </dl>
*
*
*/
private String distribution;

/**
 * Addendum information pertaining to this license.
 */
private String comments;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//-----/
// - Methods -/
//-----/

/**
 * Method clone.
 *
 * @return License
 */
public License clone()
{
    try
    {
        License copy = (License) super.clone();

        if ( copy.locations
!= null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }

        return copy;
    }
    catch ( java.lang.Exception ex )
    {
        throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
+ " does not support clone()" ).initCause( ex );
    }
} //-- License clone()

```

```

/**
 * Get addendum information pertaining to this license.
 *
 * @return String
 */
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get the primary method by which this project may be
 * distributed.
 *
 * <dl>
 *     <dt>repo</dt>
 *     <dd>may be downloaded from the Maven
 * repository</dd>
 *     <dt>manual</dt>
 *     <dd>user must manually download and install
 * the dependency.</dd>
 *
 * </dl>
 *
 * @return String
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full legal name of the license.
 *
 * @return String
 */
public String getName()

```

```

{
    return this.name;
} //-- String getName()

/**
 * Get the official url for the license text.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Set addendum information pertaining to this license.
 *
 * @param comments
 */
public void setComments( String comments )
{
    this.comments = comments;
} //-- void setComments(
String )

/**
 * Set the primary method by which this project may be
 * distributed.
 *
 * <dl>
 * <dt>repo</dt>
 * <dd>may be downloaded from the Maven
 * repository</dd>
 * <dt>>manual</dt>
 * <dd>user must manually download and install
 * the dependency.</dd>
 * </dl>
 *
 * @param distribution
 */
public void setDistribution( String distribution )
{
    this.distribution = distribution;
} //-- void setDistribution( String )

/**
 *
 *
 * @param key

```

```

* @param location
*/
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //--
void setLocation( Object, InputLocation )

/**
 * Set the full legal name of the license.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the official url for the license text.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

}

```

Maven Model

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```
// ===== DO NOT EDIT THIS FILE =====  
// Generated by Modello 1.9.1,  
// any modifications will be overwritten.  
// =====
```

```
package org.apache.maven.model;
```

```
/**
```

```
 * Description of a person who has contributed to the project, but  
 * who does not have  
 *   commit privileges. Usually, these contributions come in  
 * the form of patches submitted.
```

```
 *
```

```
 * @version $Revision$ $Date$
```

```
 */
```

```
@SuppressWarnings( "all" )
```

```
public class Contributor
```

```
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker  
{
```

```
    //-----/
```

```
    //- Class/Member Variables -/
```

```
    //-----/
```

```
/**
```

```
 * The full name of the contributor.
```

```
 */
```

```
private String name;
```

```
/**
```

```
 * The email address of the contributor.
```

```
 */
```

```
private String email;
```

```
/**
```

```
 * The URL for the homepage of the contributor.
```

```

*/
private String url;

/**
 * The organization to which the contributor belongs.
 */
private String organization;

/**
 * The URL of the organization.
 */
private String organizationUrl;

/**
 * Field roles.
 */
private java.util.List<String> roles;

/**
 *
 *
 * The timezone the contributor is in. Typically,
 * this is a number in the range
 * <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 *
 */
private String timezone;

/**
 * Field properties.
 */
private java.util.Properties properties;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//-----/

```

```

//-
Methods -/
//-----/

/**
 * Method addProperty.
 *
 * @param key
 * @param value
 */
public void addProperty( String key, String value )
{
    getProperties().put( key, value );
} //-- void addProperty( String, String )

/**
 * Method addRole.
 *
 * @param string
 */
public void addRole( String string )
{
    getRoles().add( string );
} //-- void addRole( String )

/**
 * Method clone.
 *
 * @return Contributor
 */
public Contributor clone()
{
    try
    {
        Contributor copy = (Contributor) super.clone();

        if ( this.roles != null )
        {
            copy.roles = new java.util.ArrayList<String>();
            copy.roles.addAll( this.roles );
        }

        if ( this.properties != null )
        {
            copy.properties = (java.util.Properties) this.properties.clone();
        }

        if

```

```

( copy.locations != null )
    {
        copy.locations = new java.util.LinkedHashMap( copy.locations );
    }

    return copy;
}
catch ( java.lang.Exception ex )
{
    throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
        + " does not support clone()" ).initCause( ex );
}
} //-- Contributor clone()

/**
 * Get the email address of the contributor.
 *
 * @return String
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 *
 *
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full name of the contributor.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the organization to which the contributor belongs.
 *

```

```

* @return String
*/
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
* Get the URL of the organization.
*
* @return String
*/
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
* Method getProperties.
*
* @return Properties
*/
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
* Method getRoles.
*
* @return List
*/
public java.util.List<String> getRoles()
{
    if ( this.roles == null )
    {
        this.roles
= new java.util.ArrayList<String>();
    }

    return this.roles;
} //-- java.util.List<String> getRoles()

```

```

/**
 * Get the timezone the contributor is in. Typically, this is a
 * number in the range
 * <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 * @return String
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get the URL for the homepage of the contributor.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole.
 *
 * @param string
 */
public void removeRole( String string )
{
    getRoles().remove(
string );
} //-- void removeRole( String )

/**
 * Set the email address of the contributor.
 *
 * @param email
 */
public void setEmail( String email )
{
    this.email = email;
} //-- void setEmail( String )

```

```

/**
 *
 *
 * @param key
 * @param location
 */
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //-- void setLocation( Object, InputLocation )

```

```

/**
 * Set the full name of the contributor.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

```

```

/**
 * Set the organization to which the contributor belongs.
 *
 * @param organization
 */
public void setOrganization( String organization )
{
    this.organization = organization;
} //-- void setOrganization( String )

```

```

/**
 * Set the URL of the organization.
 *
 * @param organizationUrl
 */
public void setOrganizationUrl( String organizationUrl )
{
    this.organizationUrl = organizationUrl;
} //-- void setOrganizationUrl( String )

```



```

/**
 * Set properties about the contributor, such as an instant
 * messenger handle.
 *
 * @param properties
 */
public void setProperties( java.util.Properties properties )
{
    this.properties = properties;
} //-- void setProperties( java.util.Properties )

/**
 * Set the roles the contributor plays in the project. Each
 * role is described by a
 * <code>role</code> element, the body of which is
 * a role name. This can also be used to
 * describe the contribution.
 *
 * @param
roles
 */
public void setRoles( java.util.List<String> roles )
{
    this.roles = roles;
} //-- void setRoles( java.util.List )

/**
 * Set the timezone the contributor is in. Typically, this is a
 * number in the range
 * <a
 * href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a
 * href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 * @param timezone
 */
public void setTimezone( String timezone )
{
    this.timezone = timezone;
} //-- void setTimezone( String )

/**
 * Set the URL for the homepage of the contributor.
 *

```

```
* @param url
*/
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

}
```

1.563 maven-scm-provider-perforce 1.8

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1.564 mapstruct 1.3.0

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1.565 eclipse-equinox-p2-repository-tools

2.1.300

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 * available at http://www.eclipse.org/legal/epl-v10.html
 *
 * Contributors:
 *   EclipseSource - initial API and implementation
 *****/
package org.eclipse.equinox.p2.internal.repository.tools.analyzer;

import org.eclipse.equinox.p2.metadata.IInstallableUnit;
import org.eclipse.equinox.p2.metadata.MetadataFactory.InstallableUnitDescription;
import org.eclipse.equinox.p2.repository.metadata.IMetadataRepository;
import org.eclipse.equinox.p2.repository.tools.analyzer.IUAnalyzer;

/**
 * This service checks that all Group IUs have a copyright.
 */
public class CopyrightAnalyzer extends IUAnalyzer {

    public
    void analyzeIU(IInstallableUnit iu) {
        if (Boolean.parseBoolean(iu.getProperty(InstallableUnitDescription.PROP_TYPE_GROUP))) {
            if (iu.getCopyright() == null || iu.getCopyright().getBody().length() == 0) {
                // If there is no copyright at all, this is an error
            }
        }
    }
}

```

```

error(iu, "[ERROR] " + iu.getId() + " has no copyright");
return;
}
if (iu.getCopyright() != null && iu.getCopyright().getBody().startsWith("%")) {
// If there is a copyright, but it starts with %, then check the default
// language for a copyright
String copyrightProperty = iu.getCopyright().getBody().substring(1);
if (iu.getProperty("df_LT." + copyrightProperty) == null)
error(iu, "[ERROR] " + iu.getId() + " has no copyright");
}
}
}

public void preAnalysis(IMetadataRepository repository) {
// do nothing
}

}

```

1.566 maven-scm-provider-starteam 1.8

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1.567 eclipse 3.11.2.v20161107-1947

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1.570 eclipse-equinox-p2-core 2.4.100

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=begin comment

{{#appName}}

{{{appName}}}

{{/appName}}

{{#appDescription}}

{{{appDescription}}}

{{/appDescription}}

{{#version}}OpenAPI spec version: {{version}}{/version}}

{{#infoEmail}}Contact: {{{infoEmail}}}{/infoEmail}}

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1.581 maven-surefire-common 2.12.4

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1.585 maven-resolver-api 1.1.1

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1.596 maven-project-info-reports-plugin 2.7

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1.600 plexus-component-api 1.0-alpha-30

1.601 swagger-parser-v2-converter 2.0.4

1.602 maven-doxia-tools 1.4

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Eclipse

The following artifacts are EPL.

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

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

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.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

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.

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1.609 maven-resolver-provider 3.5.3

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1.613 doxia-module-fml 1.2

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1.616 maven-surefire-plugin 2.12.4

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1.627 parboiled-java 1.1.4

1.628 dropwizard-jackson 1.3.5

1.629 http2-server 9.4.18.v20190429

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

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- * org.eclipse.jetty.orbit:javafx.security.auth.message

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- * org.eclipse.jetty.orbit:javafx.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

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:jetty-schemas

Assorted

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1.630 annotations 4.1.1.4

1.631 dropwizard-request-logging 1.3.5

1.632 simpleclient-hotspot 0.2.0

1.633 plexus-archiver 2.3

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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

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

Mortbay

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<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.

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1.639 maven-scm-manager-plexus 1.8

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1.640 airline 0.8

1.641 dropwizard-configuration 1.3.5

1.642 maven-scm-api 1.8

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1.644 tycho-embedder-api 1.0.0

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1.646 maven-aether-provider 3.2.5

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1.647 maven-settings 3.2.5

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1.648 eclipse-osgi 3.11.2.v20161107-1947

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1.649 maven-verifier 1.3

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1.651 swagger-parser 1.0.38

1.652 maven-plugin-api 3.2.5

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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:javafx.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javafx.mail.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

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.
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1.658 eclipse-core-contenttype

3.5.100.v20160418-1621

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1.659 maven-artifact 3.2.5

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1.660 eclipse-equinox-p2-director 2.3.300

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1.661 eclipse 3.4.0.v20080605-1900

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1.662 maven-scm-provider-cvsjava 1.8

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1.663 jetty-alpn-client 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

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

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.

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1.664 eclipse-equinox-preferences 3.6.1

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1.665 eclipse-equinox-p2-updatesite 1.0.600

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1.666 jetty 6.1.25

1.667 swagger-jaxrs 1.5.15

1.668 eclipse-equinox-app 1.3.400.v20150715-1528

1.669 jackson-module-afterburner 2.9.6

1.670 mavensharedjar 1.1

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1.671 maven-plugin-testing-harness 2.1

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1.677 http2-common 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:javafx.mail.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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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.678 doxia-module-xhtml 1.4

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1.679 asm-analysis 4.1

1.680 eclipse-equinox-p2-artifact-repository

1.1.500

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1.681 wagon-provider-api 1.0

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The following artifacts are EPL.

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

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

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.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

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.

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1.685 jetty-jmx 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

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

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.

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1.686 eclipse-equinox-ds 1.4.400

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1.687 sslex 1.2-0

1.688 struts 1.3.8

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1.689 doxia-decoration-model 1.4

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2.0.300

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1.692 maven-invoker 2.0.11

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1.693 doxia-decoration-model 1.2

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1.715 tycho-p2-publisher-plugin 1.0.0

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1.729 maven-resolver-impl 1.1.1

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1.740 http2-client 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

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

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

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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

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

Assorted

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1.741 maven-resources-plugin 2.4.3

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1.742 maven-compat 3.2.5

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1.746 jackson-dataformat-yaml 2.7.7

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1.747 doxia-module-markdown 1.4

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1.748 maven-plugin-api 3.5.3

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1.752 wagon-http-lightweight 1.0

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1.753 maven-antrun-plugin 1.3

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1.754 giflib 5.1.4-2ubuntu0.1

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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 "";  
}
```

1.756 gtk 3.22.30-1ubuntu4

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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.

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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.
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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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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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1.759 netty-handler 4.1.38

1.760 netty-resolver 4.1.38

1.761 netty-codec 4.1.38

1.762 netty-buffer 4.1.38

1.763 netty-codec-http 4.1.38

1.764 nhttp2 1.30.0-1ubuntu1

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Upstream-Name: nhttp2

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

Source: <https://github.com/tatsuhiro-t/nhttp2>

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* /opt/cola/permits/1006479907_1651085000.94/0/animal-sniffer-annotations-1-18-sources-

jar/org/codehaus/mojo/animal_sniffer/IgnoreJRERequirement.java

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* /opt/cola/permits/1006479907_1651085000.94/0/animal-sniffer-annotations-1-18-sources-jar/META-INF/maven/org.codehaus.mojo/animal-sniffer-annotations/pom.xml

1.768 procps 3.3.12-3ubuntu1.1

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```
// Generated by the protocol buffer compiler. DO NOT EDIT!
// source: auth.proto

package io.etcd.jetcd.api;

/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public final class Permission extends
    com.google.protobuf.GeneratedMessageV3 implements
    // @@protoc_insertion_point(message_implementation:authpb.Permission)
    PermissionOrBuilder {
private static final long serialVersionUID = 0L;
    // Use Permission.newBuilder() to construct.
private Permission(com.google.protobuf.GeneratedMessageV3.Builder<?> builder) {
    super(builder);
}
private Permission() {
    permType_ = 0;
    key_ = com.google.protobuf.ByteString.EMPTY;
    rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
}

    @java.lang.Override
    public final com.google.protobuf.UnknownFieldSet
    getUnknownFields() {
```

```

    return this.unknownFields;
}
private Permission(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite
extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    this();
    if (extensionRegistry == null) {
        throw new java.lang.NullPointerException();
    }
    int mutable_bitField0_ = 0;
    com.google.protobuf.UnknownFieldSet.Builder unknownFields =
        com.google.protobuf.UnknownFieldSet.newBuilder();
    try {
        boolean done = false;
        while (!done) {
            int tag = input.readTag();
            switch (tag) {
                case 0:
                    done = true;
                    break;
                default: {
                    if (!parseUnknownFieldProto3(
                        input, unknownFields, extensionRegistry, tag)) {
                        done = true;
                    }
                    break;
                }
                case 8: {
                    int rawValue = input.readEnum();

                    permType_ = rawValue;
                    break;
                }
                case 18: {

                    key_ = input.readBytes();
                    break;
                }
                case 26: {

                    rangeEnd_
= input.readBytes();
                    break;
                }
            }
        }
    }
}

```

```

    } catch (com.google.protobuf.InvalidProtocolBufferException e) {
        throw e.setUnfinishedMessage(this);
    } catch (java.io.IOException e) {
        throw new com.google.protobuf.InvalidProtocolBufferException(
            e).setUnfinishedMessage(this);
    } finally {
        this.unknownFields = unknownFields.build();
        makeExtensionsImmutable();
    }
}
public static final com.google.protobuf.Descriptors.Descriptor
    getDescriptor() {
    return io.etcd.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return io.etcd.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
        .ensureFieldAccessorsInitialized(
            io.etcd.jetcd.api.Permission.class, io.etcd.jetcd.api.Permission.Builder.class);
}

/**
 * Protobuf enum {@code authpb.Permission.Type}
 */
public enum Type
    implements com.google.protobuf.ProtocolMessageEnum {
    /**
     * <code>READ = 0;</code>
     */
    READ(0),
    /**
     * <code>WRITE = 1;</code>
     */
    WRITE(1),
    /**
     * <code>READWRITE = 2;</code>
     */
    READWRITE(2),
    UNRECOGNIZED(-1),
    ;

    /**
     * <code>READ = 0;</code>
     */
    public static final int READ_VALUE = 0;
    /**
     * <code>WRITE = 1;</code>

```



```

*/
public static final int WRITE_VALUE = 1;
/**
 * <code>READWRITE = 2;</code>
 */
public static final int READWRITE_VALUE = 2;

public final int getNumber() {
    if (this == UNRECOGNIZED) {
        throw new java.lang.IllegalArgumentException(
            "Can't get the number of an unknown enum value.");
    }
    return value;
}

/**
 * @deprecated Use {@link #forNumber(int)} instead.
 */
@java.lang.Deprecated
public static Type valueOf(int value) {
    return forNumber(value);
}

public
static Type forNumber(int value) {
    switch (value) {
        case 0: return READ;
        case 1: return WRITE;
        case 2: return READWRITE;
        default: return null;
    }
}

public static com.google.protobuf.Internal.EnumLiteMap<Type>
    internalGetValueMap() {
    return internalValueMap;
}

private static final com.google.protobuf.Internal.EnumLiteMap<
    Type> internalValueMap =
    new com.google.protobuf.Internal.EnumLiteMap<Type>() {
        public Type findValueByNumber(int number) {
            return Type.forNumber(number);
        }
    };

public final com.google.protobuf.Descriptors.EnumValueDescriptor
    getValueDescriptor() {

```

```

    return getDescriptor().getValues().get(ordinal());
}
public final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptorForType() {
    return getDescriptor();
}
public static final com.google.protobuf.Descriptors.EnumDescriptor

getDescriptor() {
    return io.etcd.jetcd.api.Permission.getDescriptor().getEnumTypes().get(0);
}

private static final Type[] VALUES = values();

public static Type valueOf(
    com.google.protobuf.Descriptors.EnumValueDescriptor desc) {
    if (desc.getType() != getDescriptor()) {
        throw new java.lang.IllegalArgumentException(
            "EnumValueDescriptor is not for this type.");
    }
    if (desc.getIndex() == -1) {
        return UNRECOGNIZED;
    }
    return VALUES[desc.getIndex()];
}

private final int value;

private Type(int value) {
    this.value = value;
}

// @@protoc_insertion_point(enum_scope:authpb.Permission.Type)
}

public static final int PERMTYPE_FIELD_NUMBER = 1;
private int permType_;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public io.etcd.jetcd.api.Permission.Type

```

```

getPermType() {
    io.etcd.jetcd.api.Permission.Type result = io.etcd.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? io.etcd.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}

public static final int KEY_FIELD_NUMBER = 2;
private com.google.protobuf.ByteString key_;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}

public static final int RANGE_END_FIELD_NUMBER = 3;
private com.google.protobuf.ByteString rangeEnd_;
/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}

private byte memoizedIsInitialized = -1;
public final boolean isInitialized() {
    byte isInitialized = memoizedIsInitialized;
    if (isInitialized == 1) return true;
    if (isInitialized == 0) return false;

    memoizedIsInitialized = 1;
    return true;
}

public void writeTo(com.google.protobuf.CodedOutputStream
output)
    throws java.io.IOException {
    if (permType_ != io.etcd.jetcd.api.Permission.Type.READ.getNumber()) {
        output.writeEnum(1, permType_);
    }
    if (!key_.isEmpty()) {
        output.writeBytes(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        output.writeBytes(3, rangeEnd_);
    }
    unknownFields.writeTo(output);
}

```

```

public int getSerializedSize() {
    int size = memoizedSize;
    if (size != -1) return size;

    size = 0;
    if (permType_ != io.etcd.jetcd.api.Permission.Type.READ.getNumber()) {
        size += com.google.protobuf.CodedOutputStream
            .computeEnumSize(1, permType_);
    }
    if (!key_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(3, rangeEnd_);
    }
    size += unknownFields.getSerializedSize();
    memoizedSize = size;
    return size;
}

```

```

@Override
public boolean equals(final java.lang.Object obj) {
    if (obj == this) {
        return true;
    }
    if (!(obj instanceof io.etcd.jetcd.api.Permission)) {
        return super.equals(obj);
    }
    io.etcd.jetcd.api.Permission other = (io.etcd.jetcd.api.Permission) obj;

    boolean result = true;
    result = result && permType_ == other.permType_;
    result = result && getKey()
        .equals(other.getKey());
    result = result && getRangeEnd()
        .equals(other.getRangeEnd());
    result = result && unknownFields.equals(other.unknownFields);
    return result;
}

```

```

@Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }
    int hash = 41;

```

```

    hash = (19 * hash) + getDescriptor().hashCode();
    hash = (37 * hash) + PERMTYPE_FIELD_NUMBER;
    hash = (53 * hash) + permType_;
    hash = (37 * hash) + KEY_FIELD_NUMBER;
    hash = (53 * hash) + getKey().hashCode();
    hash = (37 * hash) +
RANGE_END_FIELD_NUMBER;
    hash = (53 * hash) + getRangeEnd().hashCode();
    hash = (29 * hash) + unknownFields.hashCode();
    memoizedHashCode = hash;
    return hash;
}

public static io.etcd.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static io.etcd.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static io.etcd.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static io.etcd.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data,
    com.google.protobuf.ExtensionRegistryLite
extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static io.etcd.jetcd.api.Permission parseFrom(byte[] data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static io.etcd.jetcd.api.Permission parseFrom(
    byte[] data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static io.etcd.jetcd.api.Permission parseFrom(java.io.InputStream input)
    throws java.io.IOException {

```

```

    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input);
}
public static io.etcd.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return
com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input, extensionRegistry);
}
public static io.etcd.jetcd.api.Permission parseDelimitedFrom(java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input);
}
public static io.etcd.jetcd.api.Permission parseDelimitedFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}
public static io.etcd.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input);
}
public static io.etcd.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream
input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input, extensionRegistry);
}

public Builder newBuilderForType() { return newBuilder(); }
public static Builder newBuilder() {
    return DEFAULT_INSTANCE.toBuilder();
}
public static Builder newBuilder(io.etcd.jetcd.api.Permission prototype) {
    return DEFAULT_INSTANCE.toBuilder().mergeFrom(prototype);
}
public Builder toBuilder() {
    return this == DEFAULT_INSTANCE
        ? new Builder() : new Builder().mergeFrom(this);
}

```

```

}

@java.lang.Override
protected Builder newBuilderForType(
    com.google.protobuf.GeneratedMessageV3.BuilderParent parent) {
    Builder builder = new Builder(parent);
    return builder;
}
/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public static final class
Builder extends
    com.google.protobuf.GeneratedMessageV3.Builder<Builder> implements
    // @@protoc_insertion_point(builder_implements:authpb.Permission)
    io.etcd.jetcd.api.PermissionOrBuilder {
    public static final com.google.protobuf.Descriptors.Descriptor
        getDescriptor() {
        return io.etcd.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
    }

    protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
        internalGetFieldAccessorTable() {
        return io.etcd.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
            .ensureFieldAccessorsInitialized(
                io.etcd.jetcd.api.Permission.class, io.etcd.jetcd.api.Permission.Builder.class);
    }

    // Construct using io.etcd.jetcd.api.Permission.newBuilder()
    private Builder() {
        maybeForceBuilderInitialization();
    }

    private Builder(
        com.google.protobuf.GeneratedMessageV3.BuilderParent parent) {
        super(parent);
        maybeForceBuilderInitialization();
    }

    private void maybeForceBuilderInitialization() {
        if (com.google.protobuf.GeneratedMessageV3
            .alwaysUseFieldBuilders) {
        }
    }

    public Builder clear() {

```

```

super.clear();
permType_ = 0;

key_ = com.google.protobuf.ByteString.EMPTY;

rangeEnd_ = com.google.protobuf.ByteString.EMPTY;

return this;
}

public com.google.protobuf.Descriptors.Descriptor
    getDescriptorForType() {
return io.etcd.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

public io.etcd.jetcd.api.Permission getDefaultInstanceForType() {
return io.etcd.jetcd.api.Permission.getDefaultInstance();
}

public io.etcd.jetcd.api.Permission build() {
io.etcd.jetcd.api.Permission result = buildPartial();
if (!result.isInitialized()) {
    throw new UninitializedMessageException(result);
}
return result;
}

public io.etcd.jetcd.api.Permission buildPartial()
{
io.etcd.jetcd.api.Permission result = new io.etcd.jetcd.api.Permission(this);
result.permType_ = permType_;
result.key_ = key_;
result.rangeEnd_ = rangeEnd_;
onBuilt();
return result;
}

public Builder clone() {
return (Builder) super.clone();
}

public Builder setField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
return (Builder) super.setField(field, value);
}

public Builder clearField(
    com.google.protobuf.Descriptors.FieldDescriptor field) {
return (Builder) super.clearField(field);
}

```



```

}
public Builder clearOneof(
    com.google.protobuf.Descriptors.OneofDescriptor oneof) {
    return (Builder) super.clearOneof(oneof);
}
public Builder setRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    int index, java.lang.Object value) {
    return (Builder) super.setRepeatedField(field, index,
value);
}
public Builder addRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
    return (Builder) super.addRepeatedField(field, value);
}
public Builder mergeFrom(com.google.protobuf.Message other) {
    if (other instanceof io.etcd.jetcd.api.Permission) {
        return mergeFrom((io.etcd.jetcd.api.Permission)other);
    } else {
        super.mergeFrom(other);
        return this;
    }
}

public Builder mergeFrom(io.etcd.jetcd.api.Permission other) {
    if (other == io.etcd.jetcd.api.Permission.getDefaultInstance()) return this;
    if (other.permType_ != 0) {
        setPermTypeValue(other.getPermTypeValue());
    }
    if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
        setKey(other.getKey());
    }
    if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
        setRangeEnd(other.getRangeEnd());
    }
    this.mergeUnknownFields(other.unknownFields);
    onChanged();
    return this;
}

public final boolean isInitialized() {
    return true;
}

public Builder mergeFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)

```

```

    throws java.io.IOException {
io.etcd.jetcd.api.Permission parsedMessage = null;
try {
    parsedMessage = PARSER.parsePartialFrom(input, extensionRegistry);
} catch (com.google.protobuf.InvalidProtocolBufferException e) {
    parsedMessage = (io.etcd.jetcd.api.Permission) e.getUnfinishedMessage();
    throw e.unwrapIOException();
} finally {
    if (parsedMessage != null) {
        mergeFrom(parsedMessage);
    }
}
return this;
}

private int permType_ = 0;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type
permType = 1;</code>
 */
public Builder setPermTypeValue(int value) {
    permType_ = value;
    onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public io.etcd.jetcd.api.Permission.Type getPermType() {
    io.etcd.jetcd.api.Permission.Type result = io.etcd.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? io.etcd.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermType(io.etcd.jetcd.api.Permission.Type value) {
    if (value == null) {
        throw new NullPointerException();
    }

    permType_ = value.getNumber();
    onChanged();

```

```

    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder clearPermType() {

    permType_ = 0;
    onChanged();
    return this;
}

private com.google.protobuf.ByteString
key_ = com.google.protobuf.ByteString.EMPTY;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}
/**
 * <code>bytes key = 2;</code>
 */
public Builder setKey(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }

    key_ = value;
    onChanged();
    return this;
}
/**
 * <code>bytes key = 2;</code>
 */
public Builder clearKey() {

    key_ = getDefaultInstance().getKey();
    onChanged();
    return this;
}

private com.google.protobuf.ByteString rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}

```

```

}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder setRangeEnd(com.google.protobuf.ByteString value) {

if (value == null) {
    throw new NullPointerException();
}

    rangeEnd_ = value;
    onChanged();
    return this;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder clearRangeEnd() {

    rangeEnd_ = getDefaultInstance().getRangeEnd();
    onChanged();
    return this;
}
public final Builder setUnknownFields(
    final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.setUnknownFieldsProto3(unknownFields);
}

public final Builder mergeUnknownFields(
    final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.mergeUnknownFields(unknownFields);
}

// @@protoc_insertion_point(builder_scope:authpb.Permission)
}

// @@protoc_insertion_point(class_scope:authpb.Permission)
private static final io.etcd.jetcd.api.Permission DEFAULT_INSTANCE;
static {
    DEFAULT_INSTANCE = new io.etcd.jetcd.api.Permission();
}

public static io.etcd.jetcd.api.Permission
getDefaultInstance() {
    return DEFAULT_INSTANCE;
}
}

```

```

private static final com.google.protobuf.Parser<Permission>
    PARSER = new com.google.protobuf.AbstractParser<Permission>() {
    public Permission parsePartialFrom(
        com.google.protobuf.CodedInputStream input,
        com.google.protobuf.ExtensionRegistryLite extensionRegistry)
        throws com.google.protobuf.InvalidProtocolBufferException {
        return new Permission(input, extensionRegistry);
    }
};

public static com.google.protobuf.Parser<Permission> parser() {
    return PARSER;
}

@Override
public com.google.protobuf.Parser<Permission> getParserForType() {
    return PARSER;
}

public io.etcd.jetcd.api.Permission getDefaultInstanceForType() {
    return DEFAULT_INSTANCE;
}

}
/**
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 */

package io.etcd.jetcd.auth;

import io.etcd.jetcd.data.ByteSequence;

/**
 * represents a permission over a range of keys.
 */
public class Permission {

```

```

private final Type permType;
private final ByteSequence key;
private final ByteSequence rangeEnd;

public enum Type {
    READ,
    WRITE,
    READWRITE,
    UNRECOGNIZED,
}

public Permission(Type
permType, ByteSequence key, ByteSequence rangeEnd) {
    this.permType = permType;
    this.key = key;
    this.rangeEnd = rangeEnd;
}

/**
 * returns the type of Permission: READ, WRITE, READWRITE, or UNRECOGNIZED.
 */
public Type getPermType() {
    return permType;
}

public ByteSequence getKey() {
    return key;
}

public ByteSequence getRangeEnd() {
    return rangeEnd;
}
}

```

1.781 eclipse-tycho-core-shared 1.0.0

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1.783 libgpg-error 1.27-6

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1.791 jackson-datatype-jdk8 2.9.5

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1.792 pyyaml 3.12-1build2

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1.796 alpn-boot 8.1.13.v20181017

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

/opt/cola/permits/1007294135_1646171712.95/0/error-prone-annotations-2-3-2-sources-
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jar/com/google/errorprone/annotations/concurrent/LockMethod.java
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1.798 jaxen 1.2.0

1.799 xmlsec-java 2.1.4

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Version 3, 29 June 2007

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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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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.
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<signature of Ty Coon>, 1 April 1990
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Appendix: How to Apply These Terms to Your New Programs

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

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

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

```
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it under the terms of the GNU General Public License as published by  
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```

```
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```
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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.

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```
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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
```

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- Tal Yacobi <tal.yacobi#064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].
- Massimiliano Ziccardi <massimiliano.ziccardi#064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.
- Andrey Pavlenko <andrey.a.pavlenko#064gmail.com> - security manager patch for PKCS1Encoding property check.
- J Ross Nicoll <jrn#064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.
- Matthew Stevenson <mavricknz#064yahoo.com> - patch to construtor for CRMF CertSequence.
- Gabriele Contini <gcontini#064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.
- Roelof Naude <roelof.naude#064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
- Patrick Peck
 - <peck#064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
- Michael LeMay <lemaymd#064lemaymd.com> - identified problem with EAX [#BJA-93].

- Alex Dupre <alex@FreeBSD.org>; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]
- Michael Schoene <michael@sigrid-und-michael.de>; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().
- Ion Larrañaga <ilarra@21sec.com>; fix to default partial packet generation in BCPGOutputStream.
- Bob Kerns <bob.kerns@positscience.com>; fix to hashCode for X509CertificateObject.
- Stefan Meyer <stefan.meyer@ewe.de>; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.
- Robert J. Moore <Robert.J.Moore@allanbank.com>; speedups for OpenPGPCFB mode, clean room JCE patches.
- Rui Hodai <rui@po.ntts.co.jp>; speed ups for Camellia implementation, CamelliaLightEngine.
- Emir Bucalovic <emir.bucalovic@mail.com>; initial implementation of Grain-v1 and Grain-128.
- Torbjorn Svensson <tobbe79@gmail.com>; initial implementation of Grain-v1 and Grain-128.
- Paul FitzPatrick <bouncycastle_pfitz@fitzpatrick.cc>; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.
- Henrik Andersson <k.henrik.andersson@gmail.com>; addition of UniqueIssuerID to certificate generation.
- Cagdas Cirit <cagdas.cirit@gmail.com>; subjectAlternativeName fix for x509CertStoreSelector.
- Harakiri <harakiri_23@yahoo.com>; datahandler patch for attached parts in SMIME signatures.
- Pedro Henriques <pmahenriques@gmail.com>; explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.
- Lothar Kimminger <job@kimminger.de>; verbose mode for ASN1Dump, support for DERExternal.
- Richard Farr <rfarr.se@gmail.com>; initial SRP-6a implementation.
- Thomas Castiglione <castiglione@au.ibm.com>; patch to encoding for CRMF OptionalValidity.
- Elisabetta Romani <eromani@sogei.it>; patch for recognising multiple counter signatures.
- Robin Lundgren <r737lundgren@gmail.com>; CMPCertificate constructor from X509CertificateStructure fix.
- Petr Kadlec <mormegil@centrum.cz>; fix to sign extension key and IV problem in HC-128, HC-256.
- Andreas Antener <antener_a@gmx.ch>; fix to buffer reset in AsymmetricBufferedBlockCipher.
- Harendra Rawat <hsrawat@yahoo.com>; fix for BERConstructedOctetString.
- Rolf Lindemann <lindemann@trustcenter.de>; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].
- Alex Artamonov <alexart.home@gmail.com>; name look up patch for GOST-2001 parameters.
- Mike Lyons <mlyons@layer7tech.com>; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.
- Chris Cole <chris_h_cole@yahoo.com>; identified a problem handling null passwords when loading a BKS keystore.
- Tomas Krivanek <tom@atack.cz>; added checking of Sender header to SignedMailValidator.
- Michael <emfau@t-online.de>; correction of field error in getResponse method in CertRepMessage.
- Trevor Perrin <trevor@cryptography.com>; addition of constant time equals to avoid possible timing attacks.

- Markus Kil <markus@primekey.se>; several enhancements to TimeStampResponseGenerator.
- Dario Novakovic <darionis@yahoo.com>; fix for NPE when checking revocation reason on CRL without extensions.
- Michael Smith <msmith@cbnco.com>; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.
- Andrea Zilio <andrea.zilio@gmail.com>; fix for PEM password encryption of private keys.
- Alex Birkett <alex@birkett.co.uk>; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].
- Wayne Grant <waynedgrant@gmail.com>; additional OIDs for PCKS10 and certificate generation support.
- Frank Cornelis <info@frankcornelis.be>; additional support classes for CADES, enhancements to OCSP classes.
- Jan Dittberner <jan@dittberner.info>; addHeader patch for SMIME generator.
- Bob McGowan <boab.mcgoo@btinternet.com>; patch to support different object and mgf digests in PSS signing.
- Ivo Matheis <i.matheis@seeburger.de>; fix to padding verification in ISO-9796-1.
- Marco Sandrini <nessche@gmail.com>; patch to add IV to ISO9797Alg3Mac.
- Alf Malf <alfilmalf@hotmail.com>; removal of unnecessary limit in CMSContentInfoParser.
- Alfonso Massa <alfonso.massa@insiel.it>; contributions to CMS time stamp classes.
- Giacomo Boccardo <gboccardo@unimaticaspa.it>; initial work on CMSTimeStampedDataParser.
- Arnis Tartu <arnis@ut.ee>; patches for dealing with OIDs with specific key sizes associated in CMS.
- Janusz Sikocinski <J.Sikocinski@gdzie.pl>; addition of Features subpacket support to OpenPGP API.
- Juri Hudolejev <jhudolejev@gmail.com>; JavaDoc fix to CMSSignedDataParser.
- Liane Velten <liane.velten@hjp-consulting.com>; fine tuning of code for DHParameters validation.
- Shawn Willden <swillden@google.com>; additional functionality to PGPKKeyRing.
- Atanas Krachev <akrachev@gmail.com>; added support for revocation signatures in OpenPGP.
- Mickael Laiking <mickael.laiking@keynectis.com>; initial cut of EAC classes.
- Tim Buktu <tibuktu@hotmail.com>; Initial implementation of NTRU signing and encryption.
- Bernd <rbernd@gmail.com>; Fix for open of PGP literal data stream with UTF-8 naming.
- Steing Inge Morisbak <stein.inge.morisbak@BEKK.no>; Test code for lower case Hex data in PEM headers.
- Andreas Schmid <andreas.schmid@tngtech.com>; Additional expiry time check in PGPPublicKeys.
- Phil Steitz <phil.steitz@gmail.com>; Final patch eliminating JCE dependencies in the OpenPGP BC classes.
- Ignat Korchagin <ignat.korchagin@gmail.com>; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.
- Petar Petrov <p.petrov@bers-soft.com>; Testing and debugging of UTF-8 OpenPGP passwords.
- Daniel Fitzpatrick <daniel.f.nwr@gmail.com>; Initial implementation of ephemeral key support

for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson <Andy.Neilson@quest.com>; a further patches to deal with multiple providers and PEMReader.

Ted Shaw <xiao.xj@gmail.com>; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth <Eleriseth@WPECGLtYbVi8Rl6Y7VzLvd2EUVW99v3yNV3IWROG8.fms>; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root <kenny@the-b.org>; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes <maarten.bodewes@gmail.com>; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay <pilf_b@yahoo.com>; Initial implementation of J-PAKE.

Brian Carlstrom <bdc@carlstrom.com>; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidén Borell <samuel@primekey.se>; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder

Sergio Demian Lerner <sergiolerner@certimix.com>; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington <Tim.Whittington@orionhealth.com>; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad@primekey.se>; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimestampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin@xrm.ru>; patch for override of TSP SignerInfo attributes.

Sergey Tiunov <t5555d@gmail.com>; initial cut of DVCS classes.

Damian Kolasa <fatfredy@gmail.com>; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes@blueyonder.co.uk>; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev@daniel-hirscher.de>; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci <daniele.athome@gmail.com>; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio@methics.fi>; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi <bnajafi@akamai.com>; fixes to OpenPGP NotationData to prevent truncation problems.

Eric Mueller <eric.mueller@sage.de>; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts <Mathias.Herberts@064gmail.com>; fix to inOff usage in RFC3394WrapEngine.
Daniil Ivanov <daniil.ivanov@064gmail.com>; addition of provider support for GOST HMAC SecretKeyFactory.
Daniele Grasso
<daniele.grasso86@064gmail.com>; contributions to final Key calculation code for SRP6.
Andrey Utkin <cindrhc@064gmail.com>; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.
Arnis Tartu <arnis@064ut.ee>; checker for generated key vs OID in JceCMSContentEncryptorBuilder.
AxelVDB <axel-vdb@064riseup.net>; initial implementation of Shacal2.
Roberto Tyley <>; further work on completing gradle build.
Waldemar Dick <wdick@064devmue.de>; code improvement in x500 ASN.1 package.
Sid Steward <sid.steward@064pdflabs.com>; code improvements to ASN1Boolean.
Alex Klyubin <klyubin@064google.com>; AlgorithmParameters check for EC key agreement.
Jonathan Gillett <gsoc.student@064gmail.com>; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.
Andreas Reiter <andreas.reiter@064iaik.tugraz.at>; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
Kieran Miller <kieran.miller@064gmail.com>; initial implementation for RFC 5649 key wrap with padding.
Oliver Ehli<ehli@064arago.de>; Additional support for BSI plain ECDSA in the provider.
Daniel Heldt<Daniel.Heldt@064cryptovision.com>; Initial support for encodable state message digests
Robert Bushman <bouncycastle@064traxel.com>; Clean up of DirectKeySignature example.
Maurice Aarts<aarts@064riscure.com>; updated to KDF generator to follow NIST SP 800-108.
Franziskus Kiefer<https://github.com/franziskuskiefer>; initial implementation of Cramer-Shoup.
KB Sriram<mail_kb@064yahoo.com>; testing for odd encodings for PGP User Attribute Subpackets.
Marco Schulze<marco@064nightlabs.de>; Reported verification bug in GenericSigner.
Martin Schaef<https://github.com/martinschaef>; contributed a code-cleanup patch.
dstutz<https://github.com/dstutz>; added iteration count setters to PKCS#12 PBE mac/key generator builders.
Tobias Wich<tobias.wich@064ecsec.de>; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
Hauke Mehrtens<hauke@064hauke-m.de>; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
Daniel Zimmerman<dmz@064galois.com>; Further key quality improvements to RSAKeyPairGenerator.
Jens Kapitz<j.kapitza@064schwarze-allianz.de>; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
Johan Eklund<johan@064primekey.se>; update to RFC 6960 for OCSPObjectIdentifiers.
nikosn<https://github.com/nikosn>; Fix to encoding of EC private keys to ensure encoding matches order length.
Axel von dem Bruch <axel-vdb@064riseup.net>; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
Derek Atkins <derek@064ihtfp.com>; Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky <peto@halicky.sk> Correction to notification/error message handling in SignedMailValidator.

IartiguePierre<https://github.com/IartiguePierre> Fix for counter signature SID in CMSSignedData.

Thomas Belot<thomas.belot+BC@gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.

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

Björ Kautler<https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).

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

Michael <MSKnete@web.de> initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner <tobias.wagner@n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro <sgiro@google.com> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette<https://github.com/bschuette> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.

Leonard Dallot<https://github.com/dallotTazTag> Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen <j.w.janssen+bouncycastle@lxtreme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.

Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.

Kai Kramer <kai.kramer@gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles <benoit.charles@opentrust.com> Fix for IES data length check on decryption.

Niko <nfink95@gmail.com> fix to cast issue in getOutputSize() for ECIES.

akwizgran<https://github.com/akwizgran> Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.

Matthias Edelhoff <Matthias.Edelhoff@cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.

Lukasz Deputat <lukasz.deputat@gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].

Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.

André Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi

Slawomir Jaranowski<https://github.com/slawekjaranowski> Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev<https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.

William Glanton <wglanton77@gmail.com> Fixed bug in Poly1305 [#BJA-620].

jdvorak001<https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegele <jnaegele@grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.

Andrew Bonventre <https://github.com/andybons> NullPointer patch for WNAUtil.

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

Gorka Irazoqui <girazoki@wpi.edu> from Intel Security Center of Excellence <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.

Joerg Senekowitsch <joerg.senekowitsch@veridos.com> patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta <wipe@ya.ru> N4 calculation fix to GOFB mode.

Artem Storozhuk <storojs72@gmail.com> N4 calculation fix to GOFB mode.

Na Yu <na.yu@samsung.com> Constructor patches to CMC PKIData.

Evangelos Karatsiolis <ekaratsiolis@mtg.de> Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren <https://github.com/VivleSoren> additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig
<https://github.com/mtausig> JavaDoc fix for MCSEncryptedDataGenerator.

Anders Schack-Mulligen <https://github.com/aschackmull> code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.

Sebastian Wolfgang Roland <sebastianwolfgang.roland@stud.tu-darmstadt.de> Initial XMSS/XMSS-MT implementation.

didisoft <https://github.com/didisoft> test code for PGP signature removal involving user ids.

Mike Safonov <https://github.com/MikeSafonov> initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk <storojs72@gmail.com> initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser <andreas.glaser@gi-de.com> patch to recognise ANSSI curves for PKCS#10 requests.

codeborne
<https://github.com/cbxp> patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux <https://github.com/FauxFaux> patch for JDK 1.9 update to DRBG.java.

4garbage <https://github.com/4garbage> patch to allow GOST3410-94 private keys encoded as integers.

ekszz <https://github.com/ekszz> corrections to SM2 signer to include default identity value.

jminer <https://github.com/jminer> fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d <https://github.com/str4d> initial implementation of Blake2s

Scott Woodward <scott@bit3consulting.com> performance fixes for CTRSP800DRBG.

David Strawn <https://github.com/isomarcte> fix for off by one error in SCRYPT bounds checking.

chris mccown <0xchrismccown@gmail.com> identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis
<https://github.com/ZZMarquis> offset patch for SM2 decrypt.

Andreas Kretschmer <https://github.com/Akretsch> NPE fix for CertTemplate.getVersion()

Armin Lunkeit, Michael Tautenhahn <> identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser <https://github.com/Valodim> fix to ignore unnecessary checksum calculator on PGP

- secret key encryption.
- Adam Vartanian <https://github.com/flooeey> use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().
- Bernd <https://github.com/ecki> Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.
- Shartung <https://github.com/shartung> Additional EC Key Agreement algorithms in support of German BSI TR-03111.
- Paul Schaub <https://github.com/vanitasvitae> bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.
- Nick of Nexxar <https://github.com/nros> update to OpenPGP package to handle a broader range of EC curves.
- catbref <https://github.com/catbref> sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).
- gerlion <https://github.com/gerlion> detection of concurrency issue with pre-1.60 EC math library.
- fgrieu <fgrieu@#064gmail.com> identification and suggested fixes for possible timing vulnerability in OAEP encoding and RSACoreEngine.
- MTG <https://github.com/mtgag> patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.
- Andreas Gadermaier <up.gadermaier@#064gmail.com> initial version of Argon2 PBKDF algorithm.
- Tony Washer <tony.washer@yahoo.co.uk> review of qTesla, Java 1.9 module code.
- Vincent Bouckaert <https://github.com/veebee> initial version of RFC 4998 ASN.1 classes.
- Tony Washer <https://github.com/tonywasher> ECIESKeyEncapsulation fix for use of OldCofactor mode.
- Aurimas Liutikas <https://github.com/liutikas> JavaDoc patches to ReasonsMask.

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1.810 xz 5.2.2-1.3

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```
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```

```
/**
```

```
* Abstract class for representing access to a system resource.  
* All permissions have a name (whose interpretation depends on the subclass),  
* as well as abstract functions for defining the semantics of the  
* particular Permission subclass.  
*  
* <p>Most Permission objects also include an "actions" list that tells the actions  
* that are permitted for the object. For example,  
* for a { @code java.io.FilePermission } object, the permission name is  
* the pathname of a file (or directory), and the actions list  
* (such as "read, write") specifies which actions are granted for the  
* specified file (or for files in the specified directory).  
* The actions list is optional for Permission objects, such as  
* { @code java.lang.RuntimePermission },  
* that  
* don't need such a list; you either have the named permission (such  
* as "system.exit") or you don't.  
*  
* <p>An important method that must be implemented by each subclass is  
* the { @code implies } method to compare Permissions. Basically,  
* "permission p1 implies permission p2" means that  
* if one is granted permission p1, one is naturally granted permission p2.  
* Thus, this is not an equality test, but rather more of a  
* subset test.  
*  
* <P> Permission objects are similar to String objects in that they  
* are immutable once they have been created. Subclasses should not  
* provide methods that can change the state of a permission  
* once it has been created.  
*  
* @see Permissions  
* @see PermissionCollection  
*  
*  
* @author Marianne Mueller  
* @author Roland Schemers  
*/
```

```
public abstract class Permission implements Guard, java.io.Serializable {
```

```
    private static final long serialVersionUID = -5636570222231596674L;
```

```
    private String name;
```

```
    /**
```

```
     * Constructs a permission
```

with the specified name.

*

* @param name name of the Permission object being created.

*

*/

```
public Permission(String name) {  
    this.name = name;  
}
```

/**

* Implements the guard interface for a permission. The
* { @code SecurityManager.checkPermission } method is called,
* passing this permission object as the permission to check.
* Returns silently if access is granted. Otherwise, throws
* a SecurityException.

*

* @param object the object being guarded (currently ignored).

*

* @throws SecurityException

* if a security manager exists and its

* { @code checkPermission } method doesn't allow access.

*

* @see Guard

* @see GuardedObject

* @see SecurityManager#checkPermission

*

*/

```
public void checkGuard(Object object) throws SecurityException {  
    SecurityManager sm = System.getSecurityManager();  
    if (sm != null) sm.checkPermission(this);  
}
```

/**

* Checks if the specified permission's actions are "implied by"

* this object's actions.

* <P>

* This must be implemented by subclasses of Permission, as they are the

* only ones that can impose semantics on a Permission object.

*

* <p>The { @code implies } method is used by the AccessController to determine

* whether or not a requested permission is implied by another permission that

* is known to be valid in the current execution context.

*

* @param permission the permission to check against.

*

* @return true if the specified permission is implied by this object,

* false if not.

```

*/

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the { @code equals } method for making access control
 * decisions; use the { @code implies } method.
 *
 * @param obj the object we are testing for equality with
this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <P>
 * The required { @code hashCode } behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * { @code hashCode } method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application.
 * <li>If two Permission objects are equal according to the
 * { @code equals }
 * method, then calling the { @code hashCode } method on each of the
 * two Permission objects must produce the same integer result.
 * </ul>
 *
 * @return a hash code value for this
object.
 */

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a { @code java.io.FilePermission },
 * the name will be a pathname.
 *
 * @return the name of this Permission.

```

```

*
*/

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the { @code getActions } method is invoked.
 *
 * @return the actions of this Permission.
 *
 */

public abstract
String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies } method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

```

```

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + "\" \" + name + "\"";
    } else {
        return "(" + getClass().getName() + "\" \" + name +
            "\" \" + actions + "\"";
    }
}
}
}
/**
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 */
package java.security.acl;

```

```

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();
}

```

1.817 metrics 4.0.2

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1.818 slf4j-log4j 1.6.6

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1.824 kubernetes-model-common 4.6.3

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1.825 apache-log4j 1.2.12

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1.828 maven-default-skin 1.0

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1.829 tycho-maven-plugin 1.0.0

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1.838 spew v1.1.1

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1.839 ghodss-yaml v1.0.0

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1.840 pflag v1.0.3

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1.841 x-time-rate v0.0.0-20161028155119-f51c12702a4d

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1.842 cobra v0.0.5

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```

```
// Parts inspired by https://github.com/ryanuber/go-license
```

```
package cmd
```

```
func initGpl2() {
    Licenses["gpl2"] = License{
        Name:      "GNU General Public License 2.0",
```

PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},

Header: `

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```

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```
`
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```

```
package cmd
```

```
func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:      "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
```

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```
`  
}  
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```

```
package cmd
```

```
import (  
    "strings"  
    "time"  
  
    "github.com/spf13/viper"  
)  
  
// Licenses contains all possible licenses a user can choose from.
```

```

var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the
// header to be used with each file on the file's creating, and the text
// of the license
type License struct {
    Name      string // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text      string // License text data
    Header    string // License header for source files
}

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

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

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

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

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

```

```

}

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

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

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

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

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

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

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

return ""
}

```


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package cmd

func initGpl3() {

Licenses["gpl3"] = License{

Name: "GNU General Public License 3.0",

PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},

Header: `

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Version 3, 29 June 2007

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<one line to give the program's name and a brief idea of what it does.>

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

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

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```
`
}
}
package cmd
```

```
func initLgpl() {
    Licenses["lgpl"] = License{
```

Name: "GNU Lesser General Public License",
PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
Header: `

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}

}

package cmd

```
func initAgpl() {  
    Licenses["agpl"] = License{
```


Name: "GNU Affero General Public License",
PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
Header: `

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```

```
package cmd
```

```
func initApache2() {
    Licenses["apache"] = License{
        Name:      "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `
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```

```
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```

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```

```
package cmd
```

```
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    Licenses["mit"] = License{
        Name:      "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `
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```

package cmd

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

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`
`
}
}

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Go support for Protocol Buffers - Google's data interchange format

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Support for streaming Protocol Buffer messages for the Go language (golang).

https://github.com/matttproud/golang_protobuf_extensions

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.845 x-crypto v0.0.0-20161028155119-f51c12702a4d

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1.846 go-colortext v0.0.0-20160507010035-511bc4f42ccd

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1.847 blackfriday v1.5.2

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1.848 diskv v2.0.1+incompatible

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1.849 mergo v0.3.5

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import: ../../../../fossene/db/schema/thing.yml

fields:

site: string

author: root

1.850 go-autorest v0.9.0

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1.851 trilead-ssh 1.0.0-build221

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1.852 spidermonkey 1.8.5

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1.853 junit 4.12

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1.854 x-text v0.3.0

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1.855 x-net 1.13

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1.857 client-java-extended 6.0.1

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1.858 jfreechart 1.5.0

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1.859 jetty 9.4.10.v20180503

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the

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

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- 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
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- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
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- 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
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- 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

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- 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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1.872 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
=====
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+  int retval = PAM_IGNORE, rc;
+  char *user = NULL;
+  char *dir = NULL;
+  char *flag = NULL;
+  struct passwd *pwd = NULL;
+  struct stat s;
+  int f;
+  /* Get the user name to determine if we need to print the disclaimer */
+  rc = pam_get_item(pamh, PAM_USER, &user);
+  if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+  {
+    PAM_MODUTIL_DEF_PRIVS(privs);
+
+    /* Get the password entry */
+    pwd = pam_modutil_getpwnam (pamh, user);
+    if (pwd != NULL)
+    {
+      if (pam_modutil_drop_priv(pamh, &privs, pwd) {
+        pam_syslog(pamh, LOG_ERR,
+          "Unable to change UID to %d temporarily\n",
+          pwd->pw_uid);
+        retval = PAM_SESSION_ERR;
+        goto finished;
+      }
+
+      if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+        goto finished;
+      if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+        goto finished;
+
+      if (stat(flag, &s) != 0)
+      {
+        display_file(pamh, "/etc/legal");

```

```

+     mkdir(dir, 0700);
+     f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+     if (f>=0) close(f);
+     }
+
+finished:
+     if (pam_modutil_regain_priv(pamh,
+ &privs)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID back to %d\n", privs.old_uid);
+         retval = PAM_SESSION_ERR;
+     }
+
+     _pam_drop(flag);
+     _pam_drop(dir);
+ }
+ }
+ return retval;
+}
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+ retval = display_legal(pamh);
+
    return retval;
}

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
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1.873 jdiameter-api 1.7.1-123

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1.874 jcommon 1.3.1

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1.877 jdiameter-ha-impl 1.7.1-123

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1.879 mobicents-diameter-mux 1.7.0.74

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1.882 plugin-properties 2.0.3

1.883 mobicents-diameter-mux-sar-jboss-5

1.7.0.74

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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1.6.1	1.6	2001	CNRI	yes (2)
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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Release	Derived from	Year	Owner	GPL-compatible? (1)
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.888 libksba 1.3.5-2

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1.889 libxi 1.7.9-1

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1.890 libxtst 1.2.3-1

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1.891 python-pip 9.0.1-2.3~ubuntu1.18.04.1

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1.893 okhttp 2.5.0

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1.894 nss 3.35-2ubuntu2.7

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1.901 e2fsprogs 1.44.1-1ubuntu1.3

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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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```
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```

```
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```

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```
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```

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

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

```
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(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)/$(BSD_LIB)
@-$(LDFCONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

```
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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```
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```

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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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.902 memcached 1.5.6-0ubuntu1.2

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Also see the ChangeLog for even more people who have helped over the years by submitting fixes, patches and reporting bugs.

A list is generated from git here: <http://memcached.org/about>

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1.903 okhttp 2.7.5

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* Rob Earhart

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*/

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1.908 base-files 10.1ubuntu2.8

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```
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```

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```
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```

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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

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The

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```
libfreedreno_layout = static_library(  
    'freedreno_layout',  
    [  
        'fd6_layout.c',  
        'freedreno_layout.c',  
    ],  
    include_directories : [inc_freedreno, inc_common],  
    c_args : [c_vis_args, no_override_init_args],  
    cpp_args : [cpp_vis_args],  
    dependencies : idep_nir_headers,  
    build_by_default : false,  
)
```

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1.917 jdk-zulu 8.44.0.11

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

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It was downloaded from <<https://download.gnome.org/sources/glib/>>.

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</div>
</div>
<div class="bottomlang">
<p><span>Available Languages: </span><a href="/en/license.html" title="English">en</a></p>
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class="section"><h2><a id="comments_section" name="comments_section">Comments</a></h2><div
class="warning"><strong>Notice:</strong><br
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var comments_shortcode = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
  }
  else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
  }
})(window, document);
--><![></script></div><div id="footer">
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href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--><![CDATA[</><!--
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  prettyPrint();
}
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 */
```

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```
/*
*****
* NCSA HTTPd Server
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* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*****
*
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*
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For the test\zb.c component:

/* ZeusBench V1.01
=====

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

1.935 python-xmltodict 0.11.0-1

1.935.1 Available under license :

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1.936 apache-http-server 2.4.29-1ubuntu4.13

1.936.1 Available under license :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
```

This file is generated from xml source: DO NOT EDIT

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplang">
<p><span>Available
Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>
</div>

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</div>

</div>

<div class="bottomlang">

<p>Available Languages: en </p>

</div><div class="top"></div><div

class="section"><h2>Comments</h2><div

class="warning">Notice:
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<script type="text/javascript"><!--<!--<![CDATA[</script></div><div id="footer">

var comments_shortcode = 'httpd';

var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +

comments_identifier;

(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);

}

else {

d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');

}

})(window, document);

</script></div><div id="footer">

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<p class="menu">Modules | Directives | FAQ | Glossary | Sitemap</p></div><script type="text/javascript"><!--<!--<![CDATA[</script></div><div id="comments_thread">

if (typeof(prettyPrint) !== 'undefined') {

prettyPrint();

}

</script>

</body></html>

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```
* -----  
*  
*/
```

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```
/*  
* NCSA HTTPd Server  
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* National Center for Supercomputing Applications  
* University of Illinois at Urbana-Champaign  
* 605 E. Springfield, Champaign, IL 61820  
* httpd@ncsa.uiuc.edu  
*  
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*****  
*  
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=====

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

1.937 also 1.1.3-5ubuntu0.5

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.1.1	2.1+2.0.1	2001	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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- doc/example/pcsc_demo.c

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1.946 cups 2.2.7-1ubuntu2.8

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usr/sbin/lpc

usr/bin/lpq

usr/bin/lpr

usr/bin/lprm

usr/share/man/man1/lpr.1.gz

usr/share/man/man1/lprm.1.gz

usr/share/man/man1/lpq.1.gz

usr/share/man/man8/lpc.8.gz

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

Upstream-Name: CUPS

Upstream-Contact: Michael Sweet <msweet@apple.com>

Source: <https://cups.org/software.php>

Files: *

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1.947 gnutls 3.5.18-1ubuntu1.3

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1.951 gperftools 2.5

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- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/MongodbExpressions.java

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- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/AnyEmbeddedBuilder.java

- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/morphia/MorphiaSerializer.java

- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/MongodbSerializer.java

- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/MongodbOps.java

- * /opt/ws_local/PERMITS_SQL/1034005422_1593703324.76/0/querydsl-mongodb-3-6-4-sources-1-jar/com/mysema/query/mongodb/MongodbQuery.java

1.954 compress 1.7

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xwd v1.0.7

xwd utility

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jQuery UI v1.12.1

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1.959 cpp 8.2.0-1ubuntu2~18.04

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

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```
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Any

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language

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1.960 cpp 8.3.0-6ubuntu1~18.04.1

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1.961 jackson-datatype-jdk8 2.9.6

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1.968 jetty-alpn-openjdk8-client

9.4.18.v20190429

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The following artifacts are EPL.

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

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

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.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

Mortbay

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<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.

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1.969 jetty-alpn-openjdk8-server

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The following artifacts are EPL.

* 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

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>

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

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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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1.971 plexus-classworlds 1.1

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/*

\$Id: RealmClassLoader.java 114 2005-07-03 15:21:02Z jvanzyl \$

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1072851955_1595209781.4/0/classworlds-1-1-sources-1-jar/org/codehaus/classworlds/RealmClassLoader.java

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\$Id: ClassWorld.java 78 2004-07-01 13:59:13Z jvanzyl \$

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\$Id: Launcher.java 108 2004-11-02 18:41:08Z mhw \$

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\$Id: ConfigurationException.java 78 2004-07-01 13:59:13Z jvanzy1 \$

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\$Id: JarURLConnection.java 78 2004-07-01 13:59:13Z jvanzyl \$

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1072851955_1595209781.4/0/classworlds-1-1-sources-1-jar/org/codehaus/classworlds/uberjar/protocol/jar/JarURLConnection.java

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\$Id: DuplicateRealmException.java 78 2004-07-01 13:59:13Z jvanzyl \$

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\$Id: InitialClassLoader.java 78 2004-07-01 13:59:13Z jvanzyl \$

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* /opt/ws_local/PERMITS_SQL/1072851955_1595209781.4/0/classworlds-1-1-sources-1-jar/org/codehaus/classworlds/uberjar/boot/InitialClassLoader.java

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\$Id: DefaultClassRealm.java 94 2004-08-09 22:00:16Z jvanzyl \$

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\$Id: Handler.java 115 2005-07-03 15:23:59Z jvanzyl \$

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\$Id: Entry.java 89 2004-07-18 00:40:00Z dandiep \$

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\$Id: Configurator.java 108 2004-11-02 18:41:08Z mhw \$

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\$Id: UberJarRealmClassLoader.java 112 2004-11-03 17:37:23Z mhw \$

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\$Id: NoSuchRealmException.java 78 2004-07-01 13:59:13Z jvanzyl \$

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\$Id: EmbeddedLauncher.java 78 2004-07-01 13:59:13Z jvanzyl \$

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1.977 openjdk-jre 1.8.0u242

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```
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### xwd utility  
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| | GL/glxt.h | Khronos |
| | GL/wglxt.h | Khronos |
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include/GL/gl.h :

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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Independent JPEG Group: JPEG release 6b

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Gallium code	src/gallium/	MIT
Ext headers	GL/gltext.h	Khronos
	GL/gltext.h	Khronos
	GL/wgltext.h	Khronos
	KHR/khrplatform.h	Khronos

include/GL/gl.h :

Mesa 3-D
graphics library

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include/GL/wglxext.h :

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jQuery UI v1.12.1

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1.980 giflib 5.2.1

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1.981 Icms 2.9

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1.982 httpclient 4.3.6

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1.983 libsemanage-common 2.7-2build2

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1.984 libpkit 0.23.9-2

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1.985 tcp-wrappers 7.6.q-27

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- * /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/util/ConfigPersister.java
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* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-

jar/io/kubernetes/client/util/WebSocketStreamHandler.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/Exec.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/Copy.java

*

/opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-

jar/io/kubernetes/client/util/WebSockets.java

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* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/util/KubeConfig.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-

jar/io/kubernetes/client/util/Config.java

*

/opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-

jar/io/kubernetes/client/util/authenticators/Authenticator.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/util/Watch.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-jar/io/kubernetes/client/Attach.java

* /opt/cola/permits/1110946694_1606874557.49/0/client-java-6-0-1-sources-

jar/io/kubernetes/client/util/authenticators/GCPAuthenticator.java

1.987 golang-protobuf-extensions v1.0.1

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1.989 jcli 1.0-alpha-3

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1.992 llvm 9.0.0

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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py

; RUN: llc < %s -mtriple=aarch64-- | FileCheck %s

; A shuffle mask with all undef elements is always legal.

```
define <4 x i32> @PR41535(<2 x i32> %p1, <2 x i32> %p2) {
; CHECK-LABEL: PR41535:
; CHECK:      // %bb.0:
; CHECK-NEXT:  ext v0.8b, v0.8b, v1.8b, #4
; CHECK-NEXT:  mov v0.d[1], v0.d[0]
; CHECK-NEXT:  ret
%cat1 = shufflevector <2 x i32> %p1, <2 x i32> undef, <4 x i32> <i32 undef, i32 1, i32 undef, i32 undef>
%cat2 = shufflevector <2 x i32> %p2, <2 x i32> undef, <4 x i32> <i32 0, i32 undef, i32 undef, i32 undef>
%r = shufflevector <4 x i32> %cat1, <4 x i32> %cat2, <4 x i32> <i32 undef, i32 undef, i32 1, i32 4>
ret <4 x i32> %r
}
```

; 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
br i1 undef, label %CF246, label %CF248
```

```
CF248:                                ; preds = %CF248, %CF246
store i8 %S1163, i8* %0
br label %CF248
}
```

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*/

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py

; 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) {
; CHECK-LABEL: TestSelect:
; CHECK:      # %bb.0:
; CHECK-NEXT: pushq %rbx
; CHECK-NEXT: .cfi_def_cfa_offset 16
; CHECK-NEXT: subq $32, %rsp
; CHECK-NEXT: .cfi_def_cfa_offset 48
; CHECK-NEXT: .cfi_offset %rbx, -16
; CHECK-NEXT: movaps %xmm1, {[[-0-9]+]}(%r{[sb]})p) # 16-byte Spill
; CHECK-NEXT: movaps %xmm0, (%rsp) # 16-byte Spill
; CHECK-NEXT: callq __gttf2
; CHECK-NEXT: movl %eax, %ebx
; CHECK-NEXT: movaps (%rsp), %xmm0 # 16-byte Reload
; CHECK-NEXT: movaps {[[-0-9]+]}(%r{[sb]})p),
    %xmm1 # 16-byte Reload
; CHECK-NEXT: callq __subtf3
; CHECK-NEXT: testl %ebx, %ebx
; CHECK-NEXT: jg .LBB0_2
; CHECK-NEXT: # %bb.1:
; CHECK-NEXT: xorps %xmm0, %xmm0
; CHECK-NEXT: .LBB0_2:
; CHECK-NEXT: addq $32, %rsp
; CHECK-NEXT: .cfi_def_cfa_offset 16
; CHECK-NEXT: popq %rbx
; CHECK-NEXT: .cfi_def_cfa_offset 8
; CHECK-NEXT: retq
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
; CHECK-LABEL: TestFabs:
; CHECK:      # %bb.0:
; CHECK-NEXT: andps {[*]}(%rip), %xmm0
; CHECK-NEXT: retq
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
; CHECK-LABEL: TestCopysign:
; CHECK:      # %bb.0:

```

```

; CHECK-NEXT: andps {{.*}}(%rip), %xmm1
; CHECK-NEXT: andps {{.*}}(%rip), %xmm0
; CHECK-NEXT: orps %xmm1, %xmm0
; CHECK-NEXT: retq
%res = call
fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
; CHECK-LABEL: TestFneg:
; CHECK:    # %bb.0:
; CHECK-NEXT: pushq %rax
; CHECK-NEXT: .cfi_def_cfa_offset 16
; CHECK-NEXT: movaps %xmm0, %xmm1
; CHECK-NEXT: callq __multf3
; CHECK-NEXT: xorps {{.*}}(%rip), %xmm0
; CHECK-NEXT: popq %rax
; CHECK-NEXT: .cfi_def_cfa_offset 8
; CHECK-NEXT: retq
%mul = fmul fp128 %a, %a
%res = fsub fp128 0xL00000000000000008000000000000000, %mul
ret fp128 %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: 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

%lshr.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* %lshr.iv to i32*

%1 = load i32, i32* %0, align 4

unreachable

sw.bb3.i20: ; preds = %exit

%2 = bitcast %struct.0* %lshr.iv to i8**

%3 = load i8*, i8** %2, align 4

unreachable

exit.2: ; preds = %exit

%cgep22 = getelementptr %struct.0, %struct.0* %lshr.iv, i32 1

br label %while.body

```
while.end:                ; preds = %entry
ret void
}
```

```
attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
```

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```
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
```

```
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {  
; CHECK-LABEL: test_sitofp_fixed:
```

```
    ; First, extend each i32 to i64  
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0  
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0  
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0  
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0  
; 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,
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
}

```

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```
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target datalayout = "e-m:e-p:32:32-i64:64-v128:64:128-a:0:32-n32-S64"
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: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] 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: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 7
; 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: %[[M4:const_mat[0-9]?]] = add i32 %[[C4]], 31
; 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: %[[M5:const_mat[0-9]?]] = add i32 %[[C3]], 7
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %[[M6:const_mat[0-9]?]] = add i32 %[[C1]], 80
; CHECK-NEXT: %14 = inttoptr i32 %[[M6]] to i8*
; CHECK-NEXT: store i8* %14, i8** @goo
```

```
@goo = global i8* undef
```

```
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
}

```

```

; 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
ret void
}

```

```

; 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: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 8
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i32*
; CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C1]],
12
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] 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 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

```

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; NOTE: Assertions have been autogenerated by utils/update_test_checks.py UTC_ARGS: --function-signature --scrub-attributes

; RUN: opt -S -argpromotion < %s | FileCheck %s

; RUN: opt -S -passes=argpromotion < %s | FileCheck %s

; Test that we only promote arguments when the caller/callee have compatible
; function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote

```
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg,  
<8 x i64>* readonly %arg1) #0 {  
; CHECK-LABEL: define {[^@]+}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512  
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])  
; CHECK-NEXT: bb:  
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]  
; CHECK-NEXT: ret void  
;  
bb:  
%tmp = load <8 x i64>, <8 x i64>* %arg1  
store <8 x i64> %tmp, <8 x i64>* %arg  
ret void  
}
```

```
define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0  
{  
; CHECK-LABEL: define {[^@]+}@avx512_legal512_prefer512_call_avx512_legal512_prefer512  
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])  
; CHECK-NEXT: bb:  
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32  
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32  
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*  
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)  
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]  
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x  
i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])  
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32  
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2  
; CHECK-NEXT: ret void  
;  
bb:  
%tmp = alloca <8 x i64>, align 32  
%tmp2 = alloca <8 x i64>, align 32  
%tmp3 = bitcast <8 x i64>* %tmp to i8*  
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64  
32, i1 false)  
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x  
i64>* %tmp)  
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32  
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2  
ret void  
}
```

```

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{{^@+}}}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

```

```

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
; CHECK-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
;
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x
i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

```

```

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{{^@+}}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256

```

```

; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
; CHECK-LABEL: define {{{^@+}}}@avx512_legal512_prefer512_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca
<8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x
i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret
void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #0 {
; CHECK-LABEL: define {{{^@+}}}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void

```

```

;
bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
; CHECK-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8*
  align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x
i64>* [[TMP2]], <8 x i64> [[TMP_VAL]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8
x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
; CHECK-LABEL: define {{{^@+}}}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64>* readonly [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]]
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg

```

```

ret void
}

define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {
; CHECK-LABEL: define { {[^@]+} }@avx512_legal256_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0,
i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x
i64>* [[TMP2]], <8 x i64>* [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #2 {
; CHECK-LABEL: define { {[^@]+} }@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256
;
CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64>* readonly [[ARG1:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]]
; CHECK-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg) #1 {

```

```

; CHECK-LABEL: define {{{^@+}}@avx512_legal512_prefer256_call_avx512_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8
x i64>* [[TMP2]], <8 x i64>* [[TMP]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

```

; This should promote

```

define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8
x i64>* readonly %arg1) #3 {

```

```

; CHECK-LABEL: define {{{^@+}}@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256

```

```

; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])

```

```

; CHECK-NEXT: bb:

```

```

; CHECK-NEXT:

```

```

    store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]

```

```

; CHECK-NEXT: ret void

```

```

;

```

```

bb:

```

```

%tmp = load <8 x i64>, <8 x i64>* %arg1

```

```

store <8 x i64> %tmp, <8 x i64>* %arg

```

```

ret void

```

```

}

```

```

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {

```

```

; CHECK-LABEL: define {{{^@+}}@avx2_legal256_prefer256_call_avx2_legal512_prefer256

```

```

; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])

```

```

; CHECK-NEXT: bb:

```

```

; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32

```

```

; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32

```

```

; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*

```



```

; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>*
[[TMP2]], <8 x i64> [[TMP_VAL]])
; CHECK-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT: store
<8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>*
%tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8
x i64>* readonly %arg1) #4 {
; CHECK-LABEL: define {{{^@+}}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]], <8 x i64> [[ARG1_VAL:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: store <8 x i64> [[ARG1_VAL]], <8 x i64>* [[ARG]]
; CHECK-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64>
%tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
; CHECK-LABEL: define {{{^@+}}@avx2_legal512_prefer256_call_avx2_legal256_prefer256
; CHECK-SAME: (<8 x i64>* [[ARG:%.*]])
; CHECK-NEXT: bb:
; CHECK-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; CHECK-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; CHECK-NEXT: call void @llvm.memset.p0i8.i64(i8* align 32 [[TMP3]], i8 0, i64 32, i1 false)
; CHECK-NEXT: [[TMP_VAL:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]]
; CHECK-NEXT: call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>*
[[TMP2]], <8 x i64> [[TMP_VAL]])

```

```

; CHECK-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 32
; CHECK-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; CHECK-NEXT:  ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>,
align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>*
%tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

```

; If the arguments are scalar, its ok to promote.

```

define internal i32 @scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %X, i32*
%Y) #2 {
; CHECK-LABEL: define
{{{^@+}}@scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; CHECK-SAME: (i32 [[X_VAL:%.*]], i32 [[Y_VAL:%.*]])
; CHECK-NEXT:  [[C:%.*]] = add i32 [[X_VAL]], [[Y_VAL]]
; CHECK-NEXT:  ret i32 [[C]]
;
%A = load i32, i32* %X
%B = load i32, i32* %Y
%C = add i32 %A, %B
ret i32 %C
}

```

```

define i32 @scalar_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %B) #2 {
; CHECK-LABEL: define {{{^@+}}@scalar_avx512_legal256_prefer256_call_avx512_legal512_prefer256
;
CHECK-SAME: (i32* [[B:%.*]])
; CHECK-NEXT:  [[A:%.*]] = alloca i32
; CHECK-NEXT:  store i32 1, i32* [[A]]
; CHECK-NEXT:  [[A_VAL:%.*]] = load i32, i32* [[A]]
; CHECK-NEXT:  [[B_VAL:%.*]] = load i32, i32* [[B]]
; CHECK-NEXT:  [[C:%.*]] = call i32
@scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32 [[A_VAL]], i32 [[B_VAL]])
; CHECK-NEXT:  ret i32 [[C]]
;
%A = alloca i32
store i32 1, i32* %A
%C = call i32 @scalar_callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(i32* %A, i32* %B)
ret i32 %C

```

```
}
```

```
; If the arguments are scalar, its ok to promote.
```

```
define internal i32 @scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %X, i32* %Y) #2 {  
; CHECK-LABEL: define  
{[{^@+}] }@scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256  
; CHECK-SAME: (i32 [[X_VAL:%.*]], i32 [[Y_VAL:%.*]])  
; CHECK-NEXT: [[C:%.*]] = add i32 [[X_VAL]], [[Y_VAL]]  
; CHECK-NEXT: ret  
i32 [[C]]  
;  
%A = load i32, i32* %X  
%B = load i32, i32* %Y  
%C = add i32 %A, %B  
ret i32 %C  
}
```

```
define i32 @scalar_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %B) #2 {  
; CHECK-LABEL: define [{[{^@+}] }@scalar_avx512_legal512_prefer256_call_avx512_legal256_prefer256  
; CHECK-SAME: (i32* [[B:%.*]])  
; CHECK-NEXT: [[A:%.*]] = alloca i32  
; CHECK-NEXT: store i32 1, i32* [[A]]  
; CHECK-NEXT: [[A_VAL:%.*]] = load i32, i32* [[A]]  
; CHECK-NEXT: [[B_VAL:%.*]] = load i32, i32* [[B]]  
; CHECK-NEXT: [[C:%.*]] = call i32  
@scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32 [[A_VAL]], i32 [[B_VAL]])  
; CHECK-NEXT: ret i32 [[C]]  
;  
%A = alloca i32  
store i32 1, i32* %A  
%C = call i32 @scalar_callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(i32* %A, i32* %B)  
ret i32 %C  
}
```

```
; Function Attrs: argmemonly nounwind
```

```
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5
```

```
attributes #0 = { inlinehint norecurse nounwind
```

```
uwtable "target-features"="+avx512v1" "min-legal-vector-width"="512" "prefer-vector-width"="512" }
```

```
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512v1" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
```

```
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512v1" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
```

```
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
```

```
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
```

attributes #5 = { argmemonly nounwind }
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; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skylake-avx512 -mattr=prefer-256-bit | FileCheck %s
--check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skylake-avx512 -mattr=prefer-256-bit,avx512vbmi |
FileCheck %s --check-prefixes=CHECK,CHECK-VBMI
; Make sure CPUs default to prefer-256-bit. avx512vnni isn't interesting as it just adds an isel peephole for
vpmaddwd+vpadd
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=skylake-avx512 | FileCheck %s --check-
prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=-avx512vnni -mcpu=cascadelake | FileCheck %s --
check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=-avx512vnni -mcpu=cooperlake | FileCheck %s --
check-prefixes=CHECK,CHECK-AVX512
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mcpu=cannonlake | FileCheck %s --check-
prefixes=CHECK,CHECK-VBMI
;
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=-avx512vnni -mcpu=icelake-client | FileCheck %s --
check-prefixes=CHECK,CHECK-VBMI
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=-avx512vnni -mcpu=icelake-server | FileCheck %s --
check-prefixes=CHECK,CHECK-VBMI
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=-avx512vnni -mcpu=tigerlake | FileCheck %s --check-
prefixes=CHECK,CHECK-VBMI
```

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

```
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 32(%rsi), %ymm1, %ymm1
```



```

; CHECK-NEXT: vmovdqa %ymm1, 32(%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: 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>
%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 @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <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 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%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>* %yptr, <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, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%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" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB8_1: # %vector.body
; CHECK-NEXT:
# =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw 16(%rdi,%rcx), %ymm3
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %ymm4

```

```

; CHECK-NEXT: vpmovsxbw 16(%rsi,%rcx), %ymm5
; CHECK-NEXT: vpmaddwd %ymm3, %ymm5, %ymm3
; CHECK-NEXT: vpadd %ymm2, %ymm3, %ymm2
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %ymm3
; CHECK-NEXT: vpmaddwd %ymm4, %ymm3, %ymm3
; CHECK-NEXT: vpadd %ymm1, %ymm3, %ymm1
; CHECK-NEXT: addq $32, %rcx
; CHECK-NEXT: cmpq %rcx, %rax
; CHECK-NEXT: jne .LBB8_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vpadd %ymm0, %ymm1, %ymm1
; CHECK-NEXT: vpadd %ymm0, %ymm2, %ymm0
; CHECK-NEXT: vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; 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 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, 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>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <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, 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 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, 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 undef, i32 undef, 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, 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 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-LABEL: _Z9test_charPcS_i_512:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT:  movl %edx, %eax
; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:  xorl %ecx, %ecx
; CHECK-NEXT:  vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT:  .p2align 4, 0x90
; CHECK-NEXT: .LBB9_1: # %vector.body
; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
; 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:  vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vpslufd { {.##+} } xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vpslufd { {.##+} } xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpaddd %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 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, 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>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <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, 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 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, 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 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, 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 undef, i32 undef, i32 undef, 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
}

```

@a = global [1024 x i8] zeroinitializer, align 16

@b = global [1024 x i8] zeroinitializer, align 16

```

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: vpadd %ymm1, %ymm2, %ymm1
; CHECK-NEXT: addq $4, %rax
; 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 %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpshufd { {. *#+ } } xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; 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:

```



```
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>
%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:
```

```
%rdx.shuf = shufflevector
<16 x i32> %10, <16 x i32> undef, <16 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>
%bin.rdx = add <16 x i32> %10, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 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,
i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, 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 <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, 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>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}
```

```
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: vpadd %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: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpsshufd
  {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vpsshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpadd %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>
%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:

```

```

%rdx.shuf = shufflevector <16 x i32> %10, <16 x i32> undef, <16 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 <16 x i32> %10, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 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, i32 undef,
i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32
2, i32 3, 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>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, 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>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <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 $8, %k0, %k1
; CHECK-NEXT:  vpmovm2d %k1, %ymm0
; CHECK-NEXT:  vcvt dq2ps %ymm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm1
; CHECK-NEXT:  vcvt dq2ps %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 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <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:  vcvt dq2ps %zmm0, %zmm0
; CHECK-NEXT:  vmovaps %zmm0, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

```

```

%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT:
    vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvt dq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:
    vcvt dq2pd %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 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res

```

```

ret void
}

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: vcvt dq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vpsrld $31, %ymm1, %ymm1
; CHECK-NEXT: vcvt dq2ps %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 %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT: vcvt dq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%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:   vcvtdq2pd %xmm0, %ymm1
; CHECK-NEXT:   vextracti128 $1, %ymm0,
%ymm0
; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
; CHECK-NEXT:   vpmovm2d %k0, %ymm2
; CHECK-NEXT:   vpsrld $31, %ymm2, %ymm2
; CHECK-NEXT:   vcvtdq2pd %xmm2, %ymm3
; CHECK-NEXT:   vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT:   vcvtdq2pd %xmm2, %ymm2
; CHECK-NEXT:   vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT:   vmovaps %ymm3, (%rdi)
; CHECK-NEXT:   vmovaps %ymm0, 96(%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: vcvtdq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvtdq2pd
%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: vcvtps2dq (%rdi), %ymm1
; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
; CHECK-NEXT: vpmovd2m %ymm1, %k0

```

```

; CHECK-NEXT:   vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:   vpslld $31, %ymm1, %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 = 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_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 = 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 void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-AVX512-LABEL: mul256:
; CHECK-AVX512:    # %bb.0:
; CHECK-AVX512-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-AVX512-NEXT:
    vmovdqa 32(%rdi), %ymm1
; CHECK-AVX512-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-AVX512-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm3[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} %ymm5 =
ymm1[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-AVX512-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
; CHECK-AVX512-NEXT:  vmovdqa {{.*#+}} %ymm5 =
[255,255,255,255,255,255,255,255,255,255,255,255,255,255,255]
; CHECK-AVX512-NEXT:  vpand %ymm5, %ymm4, %ymm4
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} %ymm3 =
ymm3[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} %ymm1 =
ymm1[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpmullw %ymm3, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpand %ymm5,
    %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpackuswb %ymm4, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} %ymm3 =
ymm2[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-AVX512-NEXT:  vpmullw %ymm3, %ymm4, %ymm3
; CHECK-AVX512-NEXT:  vpand %ymm5, %ymm3, %ymm3
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} %ymm2 =
ymm2[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} %ymm0 =
ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-AVX512-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpand %ymm5, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpackuswb %ymm3, %ymm0, %ymm0

```



```

; CHECK-AVX512-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-AVX512-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-AVX512-NEXT:
    vzeroupper
; CHECK-AVX512-NEXT: retq
;
; CHECK-VBMI-LABEL: mul256:
; CHECK-VBMI:    # %bb.0:
; CHECK-VBMI-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-VBMI-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-VBMI-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-VBMI-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-VBMI-NEXT: vpunpckhbw {{.*#+}} ymm4 =
ymm3[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-VBMI-NEXT: vpunpckhbw {{.*#+}} ymm5 =
ymm1[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-VBMI-NEXT: vpmullw %ymm4, %ymm5, %ymm4
; CHECK-VBMI-NEXT: vpunpcklbw {{.*#+}} ymm3 =
ymm3[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-VBMI-NEXT: vpunpcklbw {{.*#+}} ymm1 =
ymm1[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-VBMI-NEXT: vpmullw %ymm3, %ymm1, %ymm1
; CHECK-VBMI-NEXT: vmovdqa {{.*#+}}
ymm3 = [0,2,4,6,8,10,12,14,32,34,36,38,40,42,44,46,16,18,20,22,24,26,28,30,48,50,52,54,56,58,60,62]
; CHECK-VBMI-NEXT: vpermt2b %ymm4, %ymm3, %ymm1
; CHECK-VBMI-NEXT: vpunpckhbw {{.*#+}} ymm4 =
ymm2[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-VBMI-NEXT: vpunpckhbw {{.*#+}} ymm5 =
ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-VBMI-NEXT: vpmullw %ymm4, %ymm5, %ymm4
; CHECK-VBMI-NEXT: vpunpcklbw {{.*#+}} ymm2 =
ymm2[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-VBMI-NEXT: vpunpcklbw {{.*#+}} ymm0 =
ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-VBMI-NEXT: vpmullw %ymm2, %ymm0, %ymm0
; CHECK-VBMI-NEXT: vpermt2b %ymm4, %ymm3, %ymm0
; CHECK-VBMI-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-VBMI-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-VBMI-NEXT: vzeroupper
; CHECK-VBMI-NEXT:
    retq
%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
}

```

```

define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
; CHECK-AVX512-LABEL: mul512:
; CHECK-AVX512:    # %bb.0:
; CHECK-AVX512-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-AVX512-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} zmm2 =
zmm1[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} zmm3 =
zmm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-AVX512-NEXT:  vpmullw %zmm2, %zmm3, %zmm2
; CHECK-AVX512-NEXT:  vmovdqa64
{{.*#+}} zmm3 =
[255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,2
55,255,255,255,255]
; CHECK-AVX512-NEXT:  vpandq %zmm3, %zmm2, %zmm2
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} zmm1 =
zmm1[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-AVX512-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-AVX512-NEXT:  vpandq %zmm3, %zmm0, %zmm0
; CHECK-AVX512-NEXT:  vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-AVX512-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-AVX512-NEXT:  vzeroupper
; CHECK-AVX512-NEXT:  retq
;
; CHECK-VBMI-LABEL: mul512:
; CHECK-VBMI:    # %bb.0:
; CHECK-VBMI-NEXT:
    vmovdqa64 (%rdi), %zmm0
; CHECK-VBMI-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm2 =
zmm1[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-VBMI-NEXT:  vpunpckhbw {{.*#+}} zmm3 =
zmm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-VBMI-NEXT:  vpmullw %zmm2, %zmm3, %zmm2
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} zmm1 =
zmm1[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-VBMI-NEXT:  vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]

```

```

;
CHECK-VBMI-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-VBMI-NEXT:  vmovdqa64 {{.*#+}} zmm1 =
[0,2,4,6,8,10,12,14,64,66,68,70,72,74,76,78,16,18,20,22,24,26,28,30,80,82,84,86,88,90,92,94,32,34,36,38,40,42,44,
46,96,98,100,102,104,106,108,110,48,50,52,54,56,58,60,62,112,114,116,118,120,122,124,126]
; CHECK-VBMI-NEXT:  vpermi2b %zmm2, %zmm0, %zmm1
; CHECK-VBMI-NEXT:  vmovdqa64 %zmm1, (%rdx)
; CHECK-VBMI-NEXT:  vzeroupper
; CHECK-VBMI-NEXT:  retq
% 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
}

```

; This threw an assertion at one point.

```

define <4 x i32> @mload_v4i32(<4 x i32> %trigger, <4 x i32>* %addr, <4 x i32> %dst) "min-legal-vector-
width"="256" {
; CHECK-LABEL: mload_v4i32:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vptestnmd %xmm0, %xmm0, %k1
; CHECK-NEXT:  vblendmd (%rdi), %xmm1, %xmm0 {%k1}
;
CHECK-NEXT:  retq
%mask = icmp eq <4 x i32> %trigger, zeroinitializer
%res = call <4 x i32> @llvm.masked.load.v4i32.p0v4i32(<4 x i32>* %addr, i32 4, <4 x i1> %mask, <4 x i32>
%dst)
ret <4 x i32> %res
}
declare <4 x i32> @llvm.masked.load.v4i32.p0v4i32(<4 x i32>* , i32, <4 x i1>, <4 x i32>)

```

```

define <16 x i32> @trunc_v16i64_v16i32(<16 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i64_v16i32:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa 64(%rdi), %ymm2
; CHECK-NEXT:  vmovdqa 96(%rdi), %ymm3
; CHECK-NEXT:  vpmovqd %ymm0, %xmm0
; CHECK-NEXT:  vpmovqd %ymm1, %xmm1
; CHECK-NEXT:  vinserti128 $1, %xmm1, %ymm0, %ymm0
; CHECK-NEXT:  vpmovqd %ymm2, %xmm1
; CHECK-NEXT:  vpmovqd %ymm3, %xmm2
; CHECK-NEXT:  vinserti128 $1, %xmm2, %ymm1, %ymm1
; CHECK-NEXT:  retq
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64> %a to <16 x i32>

```

```

ret <16 x i32> %b
}

define
<16 x i8> @trunc_v16i64_v16i8(<16 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i64_v16i8:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa 64(%rdi), %ymm2
; CHECK-NEXT:  vmovdqa 96(%rdi), %ymm3
; CHECK-NEXT:  vpmovqb %ymm3, %xmm3
; CHECK-NEXT:  vpmovqb %ymm2, %xmm2
; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm2 = xmm2[0],xmm3[0],xmm2[1],xmm3[1]
; CHECK-NEXT:  vpmovqb %ymm1, %xmm1
; CHECK-NEXT:  vpmovqb %ymm0, %xmm0
; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm2[0]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <16 x i64>, <16 x i64>* %x
%b = trunc <16 x i64> %a to <16 x i8>
ret <16 x i8> %b
}

define <16 x i8> @trunc_v16i32_v16i8(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i32_v16i8:
; CHECK:    # %bb.0:
; CHECK-NEXT:
    vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpmovdb %ymm1, %xmm1
; CHECK-NEXT:  vpmovdb %ymm0, %xmm0
; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm1[0]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <16 x i32>, <16 x i32>* %x
%b = trunc <16 x i32> %a to <16 x i8>
ret <16 x i8> %b
}

define <8 x i8> @trunc_v8i64_v8i8(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i8:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpmovqb %ymm1, %xmm1
; CHECK-NEXT:  vpmovqb %ymm0, %xmm0

```

```

; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm1[0],xmm0[1],xmm1[1]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i8>
ret <8 x i8> %b
}

define <8 x i16> @trunc_v8i64_v8i16(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i16:
;
CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpmovqw %ymm1, %xmm1
; CHECK-NEXT:  vpmovqw %ymm0, %xmm0
; CHECK-NEXT:  vpunpckldq {{.*#+}} xmm0 = xmm0[0],xmm1[0]
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%a = load <8 x i64>, <8 x i64>* %x
%b = trunc <8 x i64> %a to <8 x i16>
ret <8 x i16> %b
}

define <8 x i32> @trunc_v8i64_v8i32_zeroes(<8 x i64>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v8i64_v8i32_zeroes:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vpsrlq $48, 32(%rdi), %ymm1
; CHECK-NEXT:  vpsrlq $48, (%rdi), %ymm2
; CHECK-NEXT:  vmovdqa {{.*#+}} ymm0 = [0,2,4,6,8,10,12,14,16,18,20,22,24,26,28,30]
; CHECK-NEXT:  vpermi2w %ymm1, %ymm2, %ymm0
; CHECK-NEXT:  retq
%a = load <8 x i64>, <8 x i64>* %x
%b = lshr <8 x i64> %a, <i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48, i64 48>
%c = trunc <8 x i64> %b to <8 x i32>
ret <8 x i32> %c
}

define
<16 x i16> @trunc_v16i32_v16i16_zeroes(<16 x i32>* %x) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_v16i32_v16i16_zeroes:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm1
; CHECK-NEXT:  vmovdqa {{.*#+}} ymm0 = [1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31]
; CHECK-NEXT:  vpermi2w 32(%rdi), %ymm1, %ymm0
; CHECK-NEXT:  retq
%a = load <16 x i32>, <16 x i32>* %x
%b = lshr <16 x i32> %a, <i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16, i32 16>

```



```

; CHECK-NEXT: vpmovzxwq {{.*#+}} ymm3 =
xmm3[0],zero,zero,zero,xmm3[1],zero,zero,zero,xmm3[2],zero,zero,zero,xmm3[3],zero,zero,zero
; CHECK-NEXT: vpmovzxwq {{.*#+}} ymm1 =
xmm1[0],zero,zero,zero,xmm1[1],zero,zero,zero,xmm1[2],zero,zero,zero,xmm1[3],zero,zero,zero
;
CHECK-NEXT: vpmovzxbq {{.*#+}} ymm0 =
xmm0[0],zero,zero,zero,zero,zero,zero,zero,xmm0[1],zero,zero,zero,zero,zero,zero,zero,xmm0[2],zero,zero,zero,zer
o,zero,zero,zero,xmm0[3],zero,zero,zero,zero,zero,zero,zero
; CHECK-NEXT: vmovdqa %ymm0, (%rdi)
; CHECK-NEXT: vmovdqa %ymm1, 64(%rdi)
; CHECK-NEXT: vmovdqa %ymm3, 96(%rdi)
; CHECK-NEXT: vmovdqa %ymm2, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = zext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}

```

```

define void @sext_v16i8_v16i64(<16 x i8> %x, <16 x i64>* %y) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: sext_v16i8_v16i64:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovsxbw %xmm0, %ymm0
; CHECK-NEXT: vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpmovswwq %xmm1, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm2
; CHECK-NEXT: vpshufd {{.*#+}} xmm3 = xmm2[2,3,0,1]
; CHECK-NEXT: vpmovswwq %xmm3, %ymm3
;
CHECK-NEXT: vpmovswwq %xmm0, %ymm0
; CHECK-NEXT: vpmovswwq %xmm2, %ymm2
; CHECK-NEXT: vmovdqa %ymm2, 64(%rdi)
; CHECK-NEXT: vmovdqa %ymm0, (%rdi)
; CHECK-NEXT: vmovdqa %ymm3, 96(%rdi)
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = sext <16 x i8> %x to <16 x i64>
store <16 x i64> %a, <16 x i64>* %y
ret void
}

```

```

define void @vselect_split_v8i16_setcc(<8 x i16> %s, <8 x i16> %t, <8 x i64>* %p, <8 x i64>* %q, <8 x i64>*
%r) "min-legal-vector-width"="256" {
; CHECK-LABEL: vselect_split_v8i16_setcc:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3

```



```

; CHECK-NEXT: vpcmpeqw %xmm1, %xmm0, %k1
; CHECK-NEXT: kshiftrb $4, %k1, %k2
; CHECK-NEXT: vmovdqa64 32(%rdi), %ymm3 {%k2}
; CHECK-NEXT: vmovdqa64 (%rdi), %ymm2 {%k1}
; CHECK-NEXT: vmovdqa %ymm2, (%rdx)
; CHECK-NEXT: vmovdqa %ymm3, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <8
x i64>, <8 x i64>* %p
%y = load <8 x i64>, <8 x i64>* %q
%a = icmp eq <8 x i16> %s, %t
%b = select <8 x i1> %a, <8 x i64> %x, <8 x i64> %y
store <8 x i64> %b, <8 x i64>* %r
ret void
}

```

```

define void @vselect_split_v8i32_setcc(<8 x i32> %s, <8 x i32> %t, <8 x i64>* %p, <8 x i64>* %q, <8 x i64>*
%r) "min-legal-vector-width"="256" {
; CHECK-LABEL: vselect_split_v8i32_setcc:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT: vpcmpeqd %ymm1, %ymm0, %k1
; CHECK-NEXT: kshiftrb $4, %k1, %k2
; CHECK-NEXT: vmovdqa64 32(%rdi), %ymm3 {%k2}
; CHECK-NEXT: vmovdqa64 (%rdi), %ymm2 {%k1}
; CHECK-NEXT: vmovdqa %ymm2, (%rdx)
; CHECK-NEXT: vmovdqa %ymm3, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <8 x i64>, <8 x i64>* %p
%y = load <8 x i64>, <8 x i64>* %q
%a = icmp eq <8 x i32> %s, %t
%b = select <8 x i1> %a, <8 x i64> %x, <8 x i64> %y
store <8 x i64> %b, <8 x i64>* %r
ret void
}

```

```

define
void @vselect_split_v16i8_setcc(<16 x i8> %s, <16 x i8> %t, <16 x i32>* %p, <16 x i32>* %q, <16 x i32>* %r)
"min-legal-vector-width"="256" {
; CHECK-LABEL: vselect_split_v16i8_setcc:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT: vpcmpeqb %xmm1, %xmm0, %k1
; CHECK-NEXT: kshiftrw $8, %k1, %k2

```

```

; CHECK-NEXT: vmovdqa32 32(%rdi), %ymm3 {%k2}
; CHECK-NEXT: vmovdqa32 (%rdi), %ymm2 {%k1}
; CHECK-NEXT: vmovdqa %ymm2, (%rdx)
; CHECK-NEXT: vmovdqa %ymm3, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <16 x i32>, <16 x i32>* %p
%y = load <16 x i32>, <16 x i32>* %q
%a = icmp eq <16 x i8> %s, %t
%b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
store <16 x i32> %b, <16 x i32>* %r
ret void
}

define void @vselect_split_v16i16_setcc(<16 x i16> %s, <16 x i16> %t, <16 x i32>* %p, <16 x i32>* %q, <16 x
i32>* %r) "min-legal-vector-width"="256" {
; CHECK-LABEL: vselect_split_v16i16_setcc:
;
CHECK:    # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT: vpcmpeqw %ymm1, %ymm0, %k1
; CHECK-NEXT: kshiftrw $8, %k1, %k2
; CHECK-NEXT: vmovdqa32 32(%rdi), %ymm3 {%k2}
; CHECK-NEXT: vmovdqa32 (%rdi), %ymm2 {%k1}
; CHECK-NEXT: vmovdqa %ymm2, (%rdx)
; CHECK-NEXT: vmovdqa %ymm3, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <16 x i32>, <16 x i32>* %p
%y = load <16 x i32>, <16 x i32>* %q
%a = icmp eq <16 x i16> %s, %t
%b = select <16 x i1> %a, <16 x i32> %x, <16 x i32> %y
store <16 x i32> %b, <16 x i32>* %r
ret void
}

define <16 x i8> @trunc_packus_v16i32_v16i8(<16 x i32>* %p) "min-legal-vector-width"="256" {
; CHECK-LABEL: trunc_packus_v16i32_v16i8:
; CHECK:    # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vpackusdw 32(%rdi), %ymm0, %ymm0
; CHECK-NEXT: vpermq {{.*#+}} %ymm0 = %ymm0[0,2,1,3]
; CHECK-NEXT: vpmovuswb %ymm0, %xmm0
; CHECK-NEXT:
vzeroupper
; CHECK-NEXT: retq
%a = load <16 x i32>, <16 x i32>* %p

```

```

%b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%c = select <16 x i1> %b, <16 x i32> %a, <16 x i32> <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%d = icmp sgt <16 x i32> %c, zeroinitializer
%e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer
%f = trunc <16 x i32> %e to <16 x i8>
ret <16 x i8> %f
}

```

```

define void @trunc_packus_v16i32_v16i8_store(<16 x i32>* %p, <16 x i8>* %q) "min-legal-vector-width"="256"
{
; CHECK-LABEL: trunc_packus_v16i32_v16i8_store:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vpackusdw 32(%rdi), %ymm0, %ymm0
; CHECK-NEXT: vpermq {.*#+} %ymm0 = %ymm0[0,2,1,3]
; CHECK-NEXT: vpmovuswb %ymm0, (%rsi)
;
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%a = load <16 x i32>, <16 x i32>* %p
%b = icmp slt <16 x i32> %a, <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%c = select <16 x i1> %b, <16 x i32> %a, <16 x i32> <i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255, i32 255>
%d = icmp sgt <16 x i32> %c, zeroinitializer
%e = select <16 x i1> %d, <16 x i32> %c, <16 x i32> zeroinitializer
%f = trunc <16 x i32> %e to <16 x i8>
store <16 x i8> %f, <16 x i8>* %q
ret void
}

```

```

define <64 x i1> @v64i1_argument_return(<64 x i1> %x) "min-legal-vector-width"="256" {
; CHECK-LABEL: v64i1_argument_return:
; CHECK:      # %bb.0:
; CHECK-NEXT: retq
ret <64 x i1> %x
}

```

```

define void @v64i1_shuffle(<64 x i8>* %x, <64 x i8>* %y) "min-legal-vector-width"="256" {
; CHECK-LABEL: v64i1_shuffle:
; CHECK:
; CHECK-NEXT: # %bb.0: # %entry
; CHECK-NEXT: vmovdqa (%rdi), %ymm1
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm0
; CHECK-NEXT: vptestnmb %ymm1, %ymm1, %k0
; CHECK-NEXT: kshiftrd $1, %k0, %k1

```

```

; CHECK-NEXT:  movq $-3, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiflq $63, %k0, %k2
; CHECK-NEXT:  kshiftrq $62, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-5, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $3, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $61, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-9, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $2, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $60, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-17, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:
    kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $5, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $59, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-33, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $4, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $58, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-65, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $7, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $57, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-129, %rax
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $6, %k0, %k2
; CHECK-NEXT:  kshiflq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $56, %k2, %k2

```

```

; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-257, %rax # imm = 0xFEFF
;
CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $9, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $55, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-513, %rax # imm = 0xFDFD
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $8, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $54, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-1025, %rax # imm = 0xFBFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $11, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $53, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-2049, %rax # imm = 0xF7FF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $10, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq
$52, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-4097, %rax # imm = 0xEFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $13, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $51, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-8193, %rax # imm = 0xDFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $12, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $50, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-16385, %rax # imm = 0xBFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1

```

```

; CHECK-NEXT: kshiftrd $15, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $49, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-32769, %rax # imm = 0xFFFF7FFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1,
%k1
; CHECK-NEXT: kshiftrd $14, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $48, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-65537, %rax # imm = 0xFFFEFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $17, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $47, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-131073, %rax # imm = 0xFFFDFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $16, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $46, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-262145, %rax # imm = 0xFFFBFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $19, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $45, %k2, %k2
; CHECK-NEXT: korq %k2, %k1,
%k1
; CHECK-NEXT: movq $-524289, %rax # imm = 0xFFF7FFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $18, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $44, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-1048577, %rax # imm = 0xFFEFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $21, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $43, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1

```

```

; CHECK-NEXT:  movq $-2097153, %rax # imm = 0xFFDFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $20, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $42, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-4194305, %rax # imm = 0xFFBFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd
$23, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $41, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-8388609, %rax # imm = 0xFF7FFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $22, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $40, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-16777217, %rax # imm = 0xFEFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $25, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $39, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-33554433, %rax # imm = 0xFDFFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $24, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $38, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:
    movq $-67108865, %rax # imm = 0xFBFFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $27, %k0, %k2
; CHECK-NEXT:  kshiftrlq $63, %k2, %k2
; CHECK-NEXT:  kshiftrq $37, %k2, %k2
; CHECK-NEXT:  korq %k2, %k1, %k1
; CHECK-NEXT:  movq $-134217729, %rax # imm = 0xF7FFFFFF
; CHECK-NEXT:  kmovq %rax, %k2
; CHECK-NEXT:  kandq %k2, %k1, %k1
; CHECK-NEXT:  kshiftrd $26, %k0, %k2

```

```

; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $36, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-268435457, %rax # imm = 0xEFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $29, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $35, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-536870913, %rax # imm = 0xDFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $28,
%k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $34, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movq $-1073741825, %rax # imm = 0xBFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k1
; CHECK-NEXT: kshiftrd $31, %k0, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $33, %k2, %k2
; CHECK-NEXT: korq %k2, %k1, %k1
; CHECK-NEXT: movabsq $-2147483649, %rax # imm = 0xFFFFFFFF7FFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k1, %k2
; CHECK-NEXT: vptestnmb %ymm0, %ymm0, %k1
; CHECK-NEXT: kshiftrd $30, %k0, %k0
; CHECK-NEXT: kshiftrlq $63, %k0, %k0
; CHECK-NEXT: kshiftrq $32, %k0, %k0
; CHECK-NEXT: korq %k0, %k2, %k0
; CHECK-NEXT: movabsq $-4294967297, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $1, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq
$31, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-8589934593, %rax # imm = 0xFFFFFFFFDFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrlq $63, %k1, %k2
; CHECK-NEXT: kshiftrq $30, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-17179869185, %rax # imm = 0xFFFFFFFFBFFFFFFF

```



```

; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $3, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $29, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-34359738369, %rax # imm = 0xFFFFFFFF7FFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $2, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $28, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-68719476737, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax,
%k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $5, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $27, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-137438953473, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $4, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $26, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-274877906945, %rax # imm = 0xFFFFFFFFBFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $7, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $25, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-549755813889, %rax # imm = 0xFFFFFFFF7FFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $6, %k1, %k2
; CHECK-NEXT: kshiftrlq
$63, %k2, %k2
; CHECK-NEXT: kshiftrq $24, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-1099511627777, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $9, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2

```

```

; CHECK-NEXT: kshiftrq $23, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-2199023255553, %rax # imm = 0xFFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $8, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $22, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-4398046511105, %rax # imm = 0xFFFFFBFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $11, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $21, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT:
    movabsq $-8796093022209, %rax # imm = 0xFFFFF7FFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $10, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $20, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-17592186044417, %rax # imm = 0xFFFFEFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $13, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $19, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-35184372088833, %rax # imm = 0xFFFFDFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $12, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $18, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-70368744177665, %rax # imm = 0xFFFFBFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
;
CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $15, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $17, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-140737488355329, %rax # imm = 0xFFFF7FFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2

```

```

; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $14, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $16, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-281474976710657, %rax # imm = 0xFFFEFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $17, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $15, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-562949953421313, %rax # imm = 0xFFFDFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $16, %k1, %k2
; CHECK-NEXT:
kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $14, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-1125899906842625, %rax # imm = 0xFFFBFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $19, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $13, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-2251799813685249, %rax # imm = 0xFFF7FFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $18, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $12, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-4503599627370497, %rax # imm = 0xFFEFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $21, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $11, %k2, %k2
; CHECK-NEXT: korq %k2,
%k0, %k0
; CHECK-NEXT: movabsq $-9007199254740993, %rax # imm = 0xFFDFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $20, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $10, %k2, %k2

```

```

; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-18014398509481985, %rax # imm = 0xFFBFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $23, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $9, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-36028797018963969, %rax # imm = 0xFF7FFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $22, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $8, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-72057594037927937, %rax # imm = 0xFEFFFFFFFFFFFFFFF
; CHECK-NEXT:
    kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $25, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $7, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-144115188075855873, %rax # imm = 0xFDFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $24, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $6, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-288230376151711745, %rax # imm = 0xFBFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $27, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $5, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-576460752303423489, %rax # imm = 0xF7FFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd
    $26, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $4, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-1152921504606846977, %rax # imm = 0xEFFFFFFFFFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0

```

```

; CHECK-NEXT: kshiftrd $29, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $3, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-2305843009213693953, %rax # imm = 0xDFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $28, %k1, %k2
; CHECK-NEXT: kshiftrlq $63, %k2, %k2
; CHECK-NEXT: kshiftrq $2, %k2, %k2
; CHECK-NEXT: korq %k2, %k0, %k0
; CHECK-NEXT: movabsq $-4611686018427387905, %rax # imm = 0xBFFFFFFF
; CHECK-NEXT: kmovq %rax, %k2
; CHECK-NEXT: kandq %k2, %k0, %k0
; CHECK-NEXT: kshiftrd $31, %k1, %k2
; CHECK-NEXT: kshiftrlq $62, %k2, %k2
; CHECK-NEXT: korq %k2,
%k0, %k0
; CHECK-NEXT: kshiftrd $30, %k1, %k1
; CHECK-NEXT: kshiftrlq $1, %k0, %k0
; CHECK-NEXT: kshiftrq $1, %k0, %k0
; CHECK-NEXT: kshiftrlq $63, %k1, %k1
; CHECK-NEXT: korq %k1, %k0, %k1
; CHECK-NEXT: vmovdqu8 %ymm1, (%rsi) {%k1}
; CHECK-NEXT: kshiftrq $32, %k1, %k1
; CHECK-NEXT: vmovdqu8 %ymm0, 32(%rsi) {%k1}
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
entry:
%a = load <64 x i8>, <64 x i8>* %x
%b = icmp eq <64 x i8> %a, zeroinitializer
%shuf = shufflevector <64 x i1> %b, <64 x i1> undef, <64 x i32> <i32 1, i32 0, i32 3, i32 2, i32 5, i32 4, i32 7, i32
6, i32 9, i32 8, i32 11, i32 10, i32 13, i32 12, i32 15, i32 14, i32 17, i32 16, i32 19, i32 18, i32 21, i32 20, i32 23, i32
22, i32 25, i32 24, i32 27, i32 26, i32 29, i32 28, i32 31, i32 30, i32 33, i32 32, i32 35, i32 34, i32 37, i32 36, i32 39,
i32 38, i32 41, i32 40, i32 43, i32 42, i32 45, i32 44, i32 47, i32 46, i32 49, i32 48, i32 51, i32 50, i32 53, i32 52, i32
55, i32 54, i32 57, i32 56, i32
59, i32 58, i32 61, i32 60, i32 63, i32 62>
call void @llvm.masked.store.v64i8.p0v64i8(<64 x i8> %a, <64 x i8>* %y, i32 1, <64 x i1> %shuf)
ret void
}
declare void @llvm.masked.store.v64i8.p0v64i8(<64 x i8>, <64 x i8>*, i32, <64 x i1>)

@mem64_dst = global i64 0, align 8
@mem64_src = global i64 0, align 8
define i32 @v64i1_inline_asm() "min-legal-vector-width"="256" {
; CHECK-LABEL: v64i1_inline_asm:
; CHECK:      # %bb.0:
; CHECK-NEXT: kmovq {{.*}}(%rip), %k0

```

```

; CHECK-NEXT: #APP
; CHECK-NEXT: #NO_APP
; CHECK-NEXT: kmovq %k0, {{.*}}(%rip)
; CHECK-NEXT: movl -{[0-9]+}(%rsp), %eax
; CHECK-NEXT: retq
%1 = alloca i32, align 4
%2 = load i64, i64* @mem64_src, align 8
%3 = call i64 @asm "", "=k,k,~{dirflag},~{fpsr},~{flags}"(i64 %2)
store i64 %3, i64* @mem64_dst, align 8
%4 = load i32, i32* %1, align 4
ret i32 %4
}

define void @cmp_v8i64_sext(<8 x i64>* %xptr, <8 x i64>* %yptr, <8 x i64>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: cmp_v8i64_sext:
;
CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT: vpcmpgtq 32(%rdi), %ymm1, %ymm1
; CHECK-NEXT: vpcmpgtq (%rdi), %ymm0, %ymm0
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <8 x i64>, <8 x i64>* %xptr
%y = load <8 x i64>, <8 x i64>* %yptr
%cmp = icmp slt <8 x i64> %x, %y
%ext = sext <8 x i1> %cmp to <8 x i64>
store <8 x i64> %ext, <8 x i64>* %zptr
ret void
}

define void @cmp_v8i64_zext(<8 x i64>* %xptr, <8 x i64>* %yptr, <8 x i64>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: cmp_v8i64_zext:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT: vpcmpgtq 32(%rdi), %ymm1, %ymm1
; CHECK-NEXT: vpcmpgtq (%rdi), %ymm0, %ymm0
; CHECK-NEXT: vpsrlq $63, %ymm1, %ymm1
; CHECK-NEXT: vpsrlq $63, %ymm0, %ymm0
; CHECK-NEXT: vmovdqa %ymm0,
(%rdx)
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vzeroupper

```

```

; CHECK-NEXT:  retq
%x = load <8 x i64>, <8 x i64>* %xptr
%y = load <8 x i64>, <8 x i64>* %yptr
%cmp = icmp slt <8 x i64> %x, %y
%ext = zext <8 x i1> %cmp to <8 x i64>
store <8 x i64> %ext, <8 x i64>* %zptr
ret void
}

define <16 x i8> @var_rotate_v16i8(<16 x i8> %a, <16 x i8> %b) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: var_rotate_v16i8:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vmovdqa {{.*#+}} xmm2 = [8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8]
; CHECK-NEXT:  vpsubb %xmm1, %xmm2, %xmm2
; CHECK-NEXT:  vpmovzxbw {{.*#+}} ymm1 =
xmm1[0],zero,xmm1[1],zero,xmm1[2],zero,xmm1[3],zero,xmm1[4],zero,xmm1[5],zero,xmm1[6],zero,xmm1[7],zer
o,xmm1[8],zero,xmm1[9],zero,xmm1[10],zero,xmm1[11],zero,xmm1[12],zero,xmm1[13],zero,xmm1[14],zero,xm
m1[15],zero
; CHECK-NEXT:  vpmovzxbw {{.*#+}} ymm0 =
xmm0[0],zero,xmm0[1],zero,xmm0[2],zero,xmm0[3],zero,xmm0[4],zero,xmm0[5],zero,xmm0[6],zero,xmm0[7],zer
o,xmm0[8],zero,xmm0[9],zero,xmm0[10],zero,xmm0[11],zero,xmm0[12],zero,xmm0[13],zero,xmm0[14],zero,xm
m0[15],zero
;
CHECK-NEXT:  vpsllvw %ymm1, %ymm0, %ymm1
; CHECK-NEXT:  vpmovzxbw {{.*#+}} ymm2 =
xmm2[0],zero,xmm2[1],zero,xmm2[2],zero,xmm2[3],zero,xmm2[4],zero,xmm2[5],zero,xmm2[6],zero,xmm2[7],zer
o,xmm2[8],zero,xmm2[9],zero,xmm2[10],zero,xmm2[11],zero,xmm2[12],zero,xmm2[13],zero,xmm2[14],zero,xm
m2[15],zero
; CHECK-NEXT:  vpsrlvw %ymm2, %ymm0, %ymm0
; CHECK-NEXT:  vpor %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vpmovwb %ymm0, %xmm0
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%b8 = sub <16 x i8> <i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8, i8 8>, %b
%shl = shl <16 x i8> %a, %b
%lshr = lshr <16 x i8> %a, %b8
%or = or <16 x i8> %shl, %lshr
ret <16 x i8> %or
}

define <32 x i8> @var_rotate_v32i8(<32 x i8> %a, <32 x i8> %b) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: var_rotate_v32i8:
; CHECK:      # %bb.0:
; CHECK-NEXT:
vpsllw $4, %ymm0, %ymm2
; CHECK-NEXT:  vpsrlw $4, %ymm0, %ymm3
; CHECK-NEXT:  vpternlogq $216, {{.*}}(%rip), %ymm2, %ymm3
; CHECK-NEXT:  vpsllw $5, %ymm1, %ymm1

```



```

%shl = shl <32 x i8> %a, %splat
%lshr = lshr <32 x i8> %a, %splat8
%or = or <32 x i8> %shl, %lshr
ret <32 x i8> %or
}

define <32 x i8> @constant_rotate_v32i8(<32 x i8> %a) nounwind "min-legal-vector-width"="256" {
; CHECK-AVX512-LABEL: constant_rotate_v32i8:
; CHECK-AVX512:    # %bb.0:
; CHECK-AVX512-NEXT:  vpsllw $4, %ymm0, %ymm1
; CHECK-AVX512-NEXT:  vpand {{.*}}(%rip), %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vbroadcasti128 {{.*#+}} ymm2 =
[8192,24640,41088,57536,57344,41152,24704,8256,8192,24640,41088,57536,57344,41152,24704,8256]
;
; CHECK-AVX512-NEXT:  # ymm2 = mem[0,1,0,1]
; CHECK-AVX512-NEXT:  vblendvb %ymm2, %ymm1, %ymm0, %ymm1
; CHECK-AVX512-NEXT:  vpsllw $2, %ymm1, %ymm3
; CHECK-AVX512-NEXT:  vpand {{.*}}(%rip), %ymm3, %ymm3
; CHECK-AVX512-NEXT:  vpaddb %ymm2, %ymm2, %ymm2
; CHECK-AVX512-NEXT:  vblendvb %ymm2, %ymm3, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpaddb %ymm1, %ymm1, %ymm3
; CHECK-AVX512-NEXT:  vpaddb %ymm2, %ymm2, %ymm2
; CHECK-AVX512-NEXT:  vblendvb %ymm2, %ymm3, %ymm1, %ymm1
; CHECK-AVX512-NEXT:  vpxor %xmm2, %xmm2, %xmm2
; CHECK-AVX512-NEXT:  vpunpckhbw {{.*#+}} ymm3 =
ymm0[8],ymm2[8],ymm0[9],ymm2[9],ymm0[10],ymm2[10],ymm0[11],ymm2[11],ymm0[12],ymm2[12],ymm0[13
],ymm2[13],ymm0[14],ymm2[14],ymm0[15],ymm2[15],ymm0[24],ymm2[24],ymm0[25],ymm2[25],ymm0[26],ymm
2[26],ymm0[27],ymm2[27],ymm0[28],ymm2[28],ymm0[29],ymm2[29],ymm0[30],ymm2[30],ymm0[31],ymm2[
31]
; CHECK-AVX512-NEXT:  vpsllvw {{.*}}(%rip), %ymm3, %ymm3
; CHECK-AVX512-NEXT:
; CHECK-AVX512-NEXT:  vpsrlw $8, %ymm3, %ymm3
; CHECK-AVX512-NEXT:  vpunpcklbw {{.*#+}} ymm0 =
ymm0[0],ymm2[0],ymm0[1],ymm2[1],ymm0[2],ymm2[2],ymm0[3],ymm2[3],ymm0[4],ymm2[4],ymm0[5],ymm2[
5],ymm0[6],ymm2[6],ymm0[7],ymm2[7],ymm0[16],ymm2[16],ymm0[17],ymm2[17],ymm0[18],ymm2[18],ymm0[
19],ymm2[19],ymm0[20],ymm2[20],ymm0[21],ymm2[21],ymm0[22],ymm2[22],ymm0[23],ymm2[23]
; CHECK-AVX512-NEXT:  vpsllvw {{.*}}(%rip), %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpsrlw $8, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpackuswb %ymm3, %ymm0, %ymm0
; CHECK-AVX512-NEXT:  vpor %ymm0, %ymm1, %ymm0
; CHECK-AVX512-NEXT:  retq
;
; CHECK-VBMI-LABEL: constant_rotate_v32i8:
; CHECK-VBMI:    # %bb.0:
; CHECK-VBMI-NEXT:  vpsllw $4, %ymm0, %ymm1
; CHECK-VBMI-NEXT:  vpand {{.*}}(%rip), %ymm1, %ymm1
; CHECK-VBMI-NEXT:  vbroadcasti128 {{.*#+}} ymm2 =
[8192,24640,41088,57536,57344,41152,24704,8256,8192,24640,41088,57536,57344,41152,24704,8256]

```

```

; CHECK-VBMI-NEXT: # ymm2 = mem[0,1,0,1]
; CHECK-VBMI-NEXT: vpblendvb %ymm2, %ymm1,
    %ymm0, %ymm1
; CHECK-VBMI-NEXT: vpsllw $2, %ymm1, %ymm3
; CHECK-VBMI-NEXT: vpand {{.*}}(%rip), %ymm3, %ymm3
; CHECK-VBMI-NEXT: vpaddb %ymm2, %ymm2, %ymm2
; CHECK-VBMI-NEXT: vpblendvb %ymm2, %ymm3, %ymm1, %ymm1
; CHECK-VBMI-NEXT: vpaddb %ymm1, %ymm1, %ymm3
; CHECK-VBMI-NEXT: vpaddb %ymm2, %ymm2, %ymm2
; CHECK-VBMI-NEXT: vpblendvb %ymm2, %ymm3, %ymm1, %ymm1
; CHECK-VBMI-NEXT: vpxor %xmm2, %xmm2, %xmm2
; CHECK-VBMI-NEXT: vpunpckhbw {{.*#+}} ymm3 =
ymm0[8],ymm2[8],ymm0[9],ymm2[9],ymm0[10],ymm2[10],ymm0[11],ymm2[11],ymm0[12],ymm2[12],ymm0[13
],ymm2[13],ymm0[14],ymm2[14],ymm0[15],ymm2[15],ymm0[24],ymm2[24],ymm0[25],ymm2[25],ymm0[26],ym
m2[26],ymm0[27],ymm2[27],ymm0[28],ymm2[28],ymm0[29],ymm2[29],ymm0[30],ymm2[30],ymm0[31],ymm2[
31]
; CHECK-VBMI-NEXT: vpsllvw {{.*}}(%rip), %ymm3, %ymm3
; CHECK-VBMI-NEXT: vpunpcklbw {{.*#+}} ymm0 =
ymm0[0],ymm2[0],ymm0[1],ymm2[1],ymm0[2],ymm2[2],ymm0[3],ymm2[3],ymm0[4],ymm2[4],ymm0[5],ymm2[
5],ymm0[6],ymm2[6],ymm0[7],ymm2[7],ymm0[16],ymm2[16],ymm0[17],ymm2[17],ymm0[18],ymm2[18],ymm0[
19],ymm2[19],ymm0[20],ymm2[20],ymm0[21],ymm2[21],ymm0[22],ymm2[22],ymm0[23],ymm2[23]
;
CHECK-VBMI-NEXT: vpsllvw {{.*}}(%rip), %ymm0, %ymm0
; CHECK-VBMI-NEXT: vmovdqa {{.*#+}} ymm2 =
[1,3,5,7,9,11,13,15,33,35,37,39,41,43,45,47,17,19,21,23,25,27,29,31,49,51,53,55,57,59,61,63]
; CHECK-VBMI-NEXT: vpermi2b %ymm3, %ymm0, %ymm2
; CHECK-VBMI-NEXT: vpor %ymm2, %ymm1, %ymm0
; CHECK-VBMI-NEXT: retq
%shl = shl <32 x i8> %a, <i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8
1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1>
%lshr = lshr <32 x i8> %a, <i8 8, i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7, i8 8,
i8 7, i8 6, i8 5, i8 4, i8 3, i8 2, i8 1, i8 0, i8 1, i8 2, i8 3, i8 4, i8 5, i8 6, i8 7>
%or = or <32 x i8> %shl, %lshr
ret <32 x i8> %or
}

```

```

define <32 x i8> @splatconstant_rotate_v32i8(<32
    x i8> %a) nounwind "min-legal-vector-width"="256" {
; CHECK-LABEL: splatconstant_rotate_v32i8:
; CHECK: # %bb.0:
; CHECK-NEXT: vpsllw $4, %ymm0, %ymm1
; CHECK-NEXT: vpsrlw $4, %ymm0, %ymm0
; CHECK-NEXT: vpternlogq $216, {{.*}}(%rip), %ymm1, %ymm0
; CHECK-NEXT: retq
%shl = shl <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8
4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>
%lshr = lshr <32 x i8> %a, <i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4,
i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4, i8 4>

```


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add_lldb_library(lldbPluginObjectContainerBSDArchive PLUGIN
ObjectContainerBSDArchive.cpp

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```
; NOTE: Assertions have been autogenerated by utils/update_test_checks.py UTC_ARGS: --function-signature --
scrub-attributes
; RUN: opt -attributor -attributor-manifest-internal -attributor-max-iterations-verify -attributor-annotate-decl-cs -
attributor-max-iterations=4 -S < %s | FileCheck %s --check-
prefixes=CHECK,NOT_CGSCC_NPM,NOT_CGSCC_OPM,NOT_TUNIT_NPM,IS__TUNIT____,IS_____OP
M,IS__TUNIT_OPM
; RUN: opt -aa-pipeline=basic-aa -passes=attributor -attributor-manifest-internal -attributor-max-iterations-verify -
attributor-annotate-decl-cs -attributor-max-iterations=3 -S < %s | FileCheck %s --check-
prefixes=CHECK,NOT_CGSCC_OPM,NOT_CGSCC_NPM,NOT_TUNIT_OPM,IS__TUNIT____,IS_____NP
M,IS__TUNIT_NPM
; RUN: opt -attributor-cgsc -attributor-manifest-internal -attributor-annotate-decl-cs -S < %s | FileCheck %s --
check-
prefixes=CHECK,NOT_TUNIT_NPM,NOT_TUNIT_OPM,NOT_CGSCC_NPM,IS__CGSCC____,IS_____OP
M,IS__CGSCC_OPM
; RUN: opt -aa-pipeline=basic-aa -passes=attributor-cgsc -attributor-manifest-internal
-attributor-annotate-decl-cs -S < %s | FileCheck %s --check-
prefixes=CHECK,NOT_TUNIT_NPM,NOT_TUNIT_OPM,NOT_CGSCC_OPM,IS__CGSCC____,IS_____NP
M,IS__CGSCC_NPM
; Test that we only promote arguments when the caller/callee have compatible
; function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote
```

```

define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #0 {
;
; NOT_TUNIT_NPM-LABEL: define
{{{^@+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:
ret void
;
; IS__TUNIT_NPM-LABEL: define
{{{^@+}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT:  ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
;
; IS__TUNIT_OPM-LABEL: define {{{^@+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
;
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT:  call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT:  ret void

```

```

;
; IS__TUNIT_NPM-LABEL: define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture
writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
;
IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL:
define {{[^@]+}}@avx512_legal512_prefer512_call_avx512_legal512_prefer512
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])

```

```

; IS__CGSCC_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:  store <8 x i64> [[TMP4]],
<8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT:  ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
;
; NOT_TUNIT_NPM-LABEL: define
{[[@+]]}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:
[[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:  ret void
;
; IS__TUNIT_NPM-LABEL: define
{[[@+]]}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT:  ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

```

```

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8
x i64>* %arg) #1 {
;
; IS__TUNIT_OPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]],
align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT:
store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64

```

```

dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT:  [[TMP4:%.*]]
= load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT:  ret void
;
; IS__CGSCC_NPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT:  call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT:  ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
;
; NOT_TUNIT_NPM-LABEL: define
{{{^@+}}}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:  ret void
;

```



```

; IS__TUNIT_NPM-LABEL: define
{[^[^@]+]}@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret
void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
;
; IS__TUNIT_OPM-LABEL: define {[^[^@]+]}@avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {[^[^@]+]}@avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture

```

```

nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^\@]+}} @avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* nocapture
nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL: define {{[^\@]+}} @avx512_legal512_prefer512_call_avx512_legal512_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8
x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias
nocapture nofree nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT: ret void
;
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

```

```

; This should promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg,
<8 x i64>*
  readonly %arg1) #0 {
;
; NOT_TUNIT_NPM-LABEL: define
  {{{^@+}}}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
  [[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:  ret void
;
; IS__TUNIT_NPM-LABEL: define
  {{{^@+}}}@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
  [[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:
  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT:  ret void
;
bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
;
; IS__TUNIT_OPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
  dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT:  call fastcc void
  @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8
  x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree
  nonnull readonly align 64 dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64

```

```

; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] =
load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64)
[[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal512_prefer512
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8*
nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly

```

```

align 64 dereferenceable(64) [[TMP]]
; IS__CGSCC_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT:  ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4,
<8 x i64>* %arg, align 2
ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #1 {
;
; NOT_TUNIT_NPM-LABEL: define
{[^[^@]+]}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:  ret void
;
; IS__TUNIT_NPM-LABEL: define
{[^[^@]+]}@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull
readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT:  ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #2 {

```

```

;
; IS__TUNIT_OPM-LABEL: define {{[^\@]+}}@avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]],
i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{[^\@]+}}@avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{[^\@]+}}@avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:
call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64 dereferenceable(64) [[TMP3]], i8 0,
i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64

```

```

; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL: define {{{^@+}}} @avx512_legal256_prefer256_call_avx512_legal512_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP3:%.*]]
= bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void
@callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x
i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should not promote
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg,
<8 x i64>* readonly %arg1) #2 {
;
; NOT_TUNIT_NPM-LABEL: define
{{{^@+}}} @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define
{{{^@+}}} @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly

```

```

align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64
dereferenceable(64) [[ARG1:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %arg) #1 {
;
; IS__TUNIT_OPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal256_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8*
nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{{^@+}}}@avx512_legal512_prefer256_call_avx512_legal256_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT:
call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32 dereferenceable(64) [[TMP3]], i8 0,
i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* noalias nocapture nofree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;

```



```

; IS__CGSCC_OPM-LABEL: define {{^[^@+]} } @avx512_legal512_prefer256_call_avx512_legal256_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:
[[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* nocapture nfree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nfree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT: ret void
;
; IS__CGSCC_NPM-LABEL: define {{^[^@+]} } @avx512_legal512_prefer256_call_avx512_legal256_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:
[[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT: call fastcc void
@callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* noalias nocapture nfree
nonnull writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nfree nonnull readonly
align 64 dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT: ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8
x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8

```

```

x i64>* readonly %arg1) #3 {
;
; NOT_TUNIT_NPM-LABEL: define
{[[@+]]}@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {[[@+]]}@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__TUNIT_NPM-SAME:
(<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64) [[ARG:%.*]], <8 x i64>
[[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT: ret void
;
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {
;
; IS__TUNIT_OPM-LABEL: define {[[@+]]}@avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]]
= alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* nocapture nofree nonnull writeonly
align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
[[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {[[@+]]}@avx2_legal256_prefer256_call_avx2_legal512_prefer256

```

```

; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT:
  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT:  [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT:  call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT:  ret void
;
; IS__CGSCC_OPM-LABEL: define { {[^@]+} } @avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
;
  IS__CGSCC_OPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT:  call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* nocapture nofree nonnull writeonly
align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
[[TMP]])
; IS__CGSCC_OPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_OPM-NEXT:  ret void
;
; IS__CGSCC_NPM-LABEL: define { {[^@]+} } @avx2_legal256_prefer256_call_avx2_legal512_prefer256
; IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64)
[[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT:  call fastcc void
@callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2

```

```

; IS__CGSCC_NPM-NEXT:  ret void
;
bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x
i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>*
%tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should promote
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8
x i64>* readonly %arg1) #4 {
;
; NOT_TUNIT_NPM-LABEL: define
{[^[^@]+]}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; NOT_TUNIT_NPM-SAME: (<8 x i64>* nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64) [[ARG1:%.*]])
; NOT_TUNIT_NPM-NEXT: bb:
; NOT_TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1]], align 64
; NOT_TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; NOT_TUNIT_NPM-NEXT:
  ret void
;
; IS__TUNIT_NPM-LABEL: define {[^[^@]+]}@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* noalias nocapture nofree nonnull writeonly align 64 dereferenceable(64)
[[ARG:%.*]], <8 x i64> [[TMP0:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT:  [[ARG1_PRIV:%.*]] = alloca <8 x i64>, align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP0]], <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  [[TMP:%.*]] = load <8 x i64>, <8 x i64>* [[ARG1_PRIV]], align 64
; IS__TUNIT_NPM-NEXT:  store <8 x i64> [[TMP]], <8 x i64>* [[ARG]], align 64
; IS__TUNIT_NPM-NEXT:  ret void
;
bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
;
; IS__TUNIT_OPM-LABEL: define {[^[^@]+]}@avx2_legal512_prefer256_call_avx2_legal256_prefer256

```

```

; IS__TUNIT_OPM-SAME: (<8 x i64>* nocapture writeonly [[ARG:%.*]])
;
IS__TUNIT_OPM-NEXT: bb:
; IS__TUNIT_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_OPM-NEXT: call fastcc void
@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* nocapture nofree nonnull writeonly
align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
[[TMP]])
; IS__TUNIT_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_OPM-NEXT: ret void
;
; IS__TUNIT_NPM-LABEL: define {{{^@+}}}@avx2_legal512_prefer256_call_avx2_legal256_prefer256
; IS__TUNIT_NPM-SAME: (<8 x i64>* nocapture writeonly
[[ARG:%.*]])
; IS__TUNIT_NPM-NEXT: bb:
; IS__TUNIT_NPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__TUNIT_NPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__TUNIT_NPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 32
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__TUNIT_NPM-NEXT: [[TMP0:%.*]] = load <8 x i64>, <8 x i64>* [[TMP]], align 64
; IS__TUNIT_NPM-NEXT: call fastcc void
@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64> [[TMP0]])
; IS__TUNIT_NPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__TUNIT_NPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__TUNIT_NPM-NEXT: ret void
;
; IS__CGSCC_OPM-LABEL: define {{{^@+}}}@avx2_legal512_prefer256_call_avx2_legal256_prefer256
;
IS__CGSCC_OPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_OPM-NEXT: bb:
; IS__CGSCC_OPM-NEXT: [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_OPM-NEXT: [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_OPM-NEXT: call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_OPM-NEXT: call fastcc void
@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* nocapture nofree nonnull writeonly
align 64 dereferenceable(64) [[TMP2]], <8 x i64>* nocapture nofree nonnull readonly align 64 dereferenceable(64)
[[TMP]])
; IS__CGSCC_OPM-NEXT: [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_OPM-NEXT: store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2

```

```

; IS__CGSCC_OPM-NEXT:  ret void
;
; IS__CGSCC_NPM-LABEL: define {[^@]+} @avx2_legal512_prefer256_call_avx2_legal256_prefer256
;
IS__CGSCC_NPM-SAME: (<8 x i64>* nocapture nonnull writeonly align 2 dereferenceable(64) [[ARG:%.*]])
; IS__CGSCC_NPM-NEXT: bb:
; IS__CGSCC_NPM-NEXT:  [[TMP:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP2:%.*]] = alloca <8 x i64>, align 32
; IS__CGSCC_NPM-NEXT:  [[TMP3:%.*]] = bitcast <8 x i64>* [[TMP]] to i8*
; IS__CGSCC_NPM-NEXT:  call void @llvm.memset.p0i8.i64(i8* nocapture nonnull writeonly align 64
dereferenceable(64) [[TMP3]], i8 0, i64 32, i1 false)
; IS__CGSCC_NPM-NEXT:  call fastcc void
@callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* noalias nocapture nofree nonnull
writeonly align 64 dereferenceable(64) [[TMP2]], <8 x i64>* noalias nocapture nofree nonnull readonly align 64
dereferenceable(64) [[TMP]])
; IS__CGSCC_NPM-NEXT:  [[TMP4:%.*]] = load <8 x i64>, <8 x i64>* [[TMP2]], align 64
; IS__CGSCC_NPM-NEXT:  store <8 x i64> [[TMP4]], <8 x i64>* [[ARG]], align 2
; IS__CGSCC_NPM-NEXT:
    ret void
;
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>*
%tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; Function Attrs: argmemonly nounwind
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5

attributes #0 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-
width"="512" "prefer-vector-width"="512" }
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-
width"="512" "prefer-vector-width"="256" }
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-
width"="256" "prefer-vector-width"="256"
}
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512"
"prefer-vector-width"="256" }
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256"
"prefer-vector-width"="256" }
attributes #5 = { argmemonly nounwind }

```

```

; 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,+prefer-256-bit |
FileCheck %s --check-prefixes=CHECK,VEC256,AVX512VL256
; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,-prefer-256-bit |
FileCheck %s --check-prefixes=CHECK,VEC512,AVX512VL512
; 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,SKX512

```

```

define void @zext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'zext256'
; VEC256-NEXT: Cost
Model: Found an estimated cost of 3 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 3 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
;
; AVX512VL512-LABEL: 'zext256'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to
<8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to
<8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8>
undef to <16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to
<16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to
<32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX512-LABEL: 'zext256'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>

```

```

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

```

```

define void @zext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'zext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 3 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 3 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
;
; AVX512VL256-LABEL: 'zext512'
;
AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; AVX512VL512-LABEL: 'zext512'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>

```



```

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to
<32 x i16>
; AVX512VL512-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
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT:
    Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX512-LABEL: 'zext512'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
    %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    %E = zext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext256()
    "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 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 3 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
;
; AVX512VL512-LABEL: 'sext256'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8
x i64>
; AVX512VL512-NEXT: Cost
Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to
<8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to
<16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to
<16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to
<32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX512-LABEL: 'sext256'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x
i32> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; SKX512-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 3 for instruction: %A = sext <8 x i8> undef to <8 x i64>

```

```

; AVX-NEXT: Cost Model: Found an estimated cost of 3 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 3 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
;
; AVX512VL256-LABEL: 'sext512'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8
x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to
<8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to
<8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction:
%D = sext <16 x i8> undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to
<16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to
<32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; AVX512VL512-LABEL: 'sext512'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8
x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to
<8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to
<8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to
<16 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to
<16 x i32>
; AVX512VL512-NEXT:
Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX512VL512-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 1 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>

```

```

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX512-LABEL:
'sext512'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; SKX512-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 @trunc256() "min-legal-vector-width"="256" {
; AVX-LABEL: 'trunc256'
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A = trunc <8 x i64> undef to <8 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %B = trunc <8 x i64> undef to <8 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %C = trunc <8 x i64> undef to <8 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %D = trunc <16 x i32> undef to <16 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %E = trunc <16 x i32> undef to <16 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %F = trunc <32 x i16> undef to <32 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; AVX512VL256-LABEL: 'trunc256'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A =
trunc <8 x i64> undef to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %B = trunc <8 x i64> undef to
<8 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %C = trunc <8 x i64> undef
to <8 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %D = trunc <16 x i32> undef

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to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %E = trunc <16 x i32> undef to
<16 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %F = trunc <32 x i16> undef to
<32 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; AVX512VL512-LABEL: 'trunc256'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = trunc <8 x i64> undef to
<8 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %B = trunc <8 x i64> undef to
<8 x i16>
; AVX512VL512-NEXT:
Cost Model: Found an estimated cost of 2 for instruction: %C = trunc <8 x i64> undef to <8 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %D = trunc <16 x i32> undef
to <16 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %E = trunc <16 x i32> undef to
<16 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %F = trunc <32 x i16> undef to
<32 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'trunc256'
; SKX256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %A = trunc <8 x i64> undef to <8 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %B = trunc <8 x i64> undef to <8 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %C = trunc <8 x i64> undef to <8 x
i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 6 for instruction:
%D = trunc <16 x i32> undef to <16 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %E = trunc <16 x i32> undef to <16 x
i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %F = trunc <32 x i16> undef to <32 x
i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX512-LABEL: 'trunc256'
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = trunc <8 x i64> undef to <8 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %B = trunc <8 x i64> undef to <8 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %C = trunc <8 x i64> undef to <8 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %D = trunc <16 x i32> undef to <16 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %E = trunc <16 x i32> undef to <16 x
i8>

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; SKX512-NEXT: Cost Model: Found an estimated
cost of 2 for instruction: %F = trunc <32 x i16> undef to <32 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = trunc <8 x i64> undef to <8 x i32>
%B = trunc <8 x i64> undef to <8 x i16>
%C = trunc <8 x i64> undef to <8 x i8>
%D = trunc <16 x i32> undef to <16 x i16>
%E = trunc <16 x i32> undef to <16 x i8>
%F = trunc <32 x i16> undef to <32 x i8>
ret void
}

define i32 @zext256_vXi1() "min-legal-vector-width"="256" {
; AVX-LABEL: 'zext256_vXi1'
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = zext <2 x i1> undef to <2 x
i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i64 = zext <4 x i1> undef to <4 x
i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V8i64 = zext <8 x i1> undef to <8 x
i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = zext <2 x i1> undef to <2 x
i32>
; AVX-NEXT: Cost Model: Found
an estimated cost of 1 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i32 = zext <8 x i1> undef to <8 x
i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V16i32 = zext <16 x i1> undef to <16 x
i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = zext <2 x i1> undef to <2 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = zext <4 x i1> undef to <4 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i16 = zext <8 x i1> undef to <8 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = zext <16 x i1> undef to <16 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V32i16 = zext <32 x i1> undef to <32 x
i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>
; AVX-NEXT:
Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i8 = zext <16 x i1> undef to <16 x
i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i8 = zext <32 x i1> undef to <32 x
i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V64i8 = zext <64 x i1> undef to <64 x

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i8>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL256-LABEL: 'zext256_vXi1'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef
to <2 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef
to <4 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction:
%V8i64 = zext <8 x i1> undef to <8 x i64>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef
to <2 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef
to <4 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef
to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = zext <16 x i1>
undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V2i16 = zext <2 x i1> undef
to <2 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V4i16 = zext <4 x i1> undef
to <4 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i16 = zext <8 x i1> undef
to <8 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i16 = zext <16 x i1>
undef to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %V32i16 = zext <32 x i1>
undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V2i8 = zext <2 x i1> undef to
<2 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V4i8 = zext <4 x i1> undef to
<4 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 6 for instruction: %V8i8 = zext <8 x i1> undef to
<8 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 12 for instruction: %V16i8 = zext <16 x i1>
undef to <16 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 25 for instruction: %V32i8 = zext <32 x i1>
undef to <32 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 50 for instruction: %V64i8 = zext <64 x i1>
undef to <64 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL512-LABEL: 'zext256_vXi1'
;
AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef
to <2 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef
to <4 x i64>

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; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i32 = zext <16 x i1> undef to <16 x i32>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i16 = zext <2 x i1> undef to <2 x i16>

; AVX512VL512-NEXT: Cost Model:
Found an estimated cost of 4 for instruction: %V4i16 = zext <4 x i1> undef to <4 x i16>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i16 = zext <8 x i1> undef to <8 x i16>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V16i16 = zext <16 x i1> undef to <16 x i16>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V32i16 = zext <32 x i1> undef to <32 x i16>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i8 = zext <2 x i1> undef to <2 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i8 = zext <4 x i1> undef to <4 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V16i8 = zext <16 x i1> undef to <16 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V32i8 = zext <32 x i1> undef to <32 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 19 for instruction: %V64i8 = zext <64 x i1> undef to <64 x i8>

; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef

;

; SKX256-LABEL: 'zext256_vXi1'

; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef to <2 x i64>

; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef to <4 x i64>

; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i64 = zext <8 x i1> undef to <8 x i64>

; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x i32>

; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>

; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x i32>

; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = zext <16 x i1> undef to


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<16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = zext <2 x i1> undef to <2 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = zext <4 x i1> undef to <4 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i16 = zext <8 x i1> undef to <8 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i16 = zext <16 x i1> undef to
<16 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V32i16 = zext <32 x i1> undef to
<32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = zext <2 x i1> undef to <2 x
i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = zext <4 x i1> undef to <4 x
i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for
instruction: %V8i8 = zext <8 x i1> undef to <8 x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = zext <16 x i1> undef to <16
x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i8 = zext <32 x i1> undef to <32
x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V64i8 = zext <64 x i1> undef to <64
x i8>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; SKX512-LABEL: 'zext256_vXi1'
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = zext <2 x i1> undef to <2 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = zext <4 x i1> undef to <4 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = zext <8 x i1> undef to <8 x
i64>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = zext <2 x i1> undef to <2 x
i32>
; SKX512-NEXT:
Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = zext <4 x i1> undef to <4 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = zext <8 x i1> undef to <8 x
i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i32 = zext <16 x i1> undef to
<16 x i32>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = zext <2 x i1> undef to <2 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = zext <4 x i1> undef to <4 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i16 = zext <8 x i1> undef to <8 x
i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i16 = zext <16 x i1> undef to
<16 x i16>

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; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i16 = zext <32 x i1> undef to
<32 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction:
%V2i8 = zext <2 x i1> undef to <2 x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = zext <4 x i1> undef to <4 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = zext <8 x i1> undef to <8 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = zext <16 x i1> undef to <16
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i8 = zext <32 x i1> undef to <32
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V64i8 = zext <64 x i1> undef to <64
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
%V2i64 = zext <2 x i1> undef to <2 x i64>
%V4i64 = zext <4 x i1> undef to <4 x i64>
%V8i64 = zext <8 x i1> undef to <8 x i64>

%V2i32 = zext <2 x i1> undef to <2 x i32>
%V4i32 = zext <4 x i1> undef to <4 x i32>
%V8i32 = zext <8 x i1> undef to <8 x i32>
%V16i32 = zext <16 x
i1> undef to <16 x i32>

%V2i16 = zext <2 x i1> undef to <2 x i16>
%V4i16 = zext <4 x i1> undef to <4 x i16>
%V8i16 = zext <8 x i1> undef to <8 x i16>
%V16i16 = zext <16 x i1> undef to <16 x i16>
%V32i16 = zext <32 x i1> undef to <32 x i16>

%V2i8 = zext <2 x i1> undef to <2 x i8>
%V4i8 = zext <4 x i1> undef to <4 x i8>
%V8i8 = zext <8 x i1> undef to <8 x i8>
%V16i8 = zext <16 x i1> undef to <16 x i8>
%V32i8 = zext <32 x i1> undef to <32 x i8>
%V64i8 = zext <64 x i1> undef to <64 x i8>

ret i32 undef
}

define i32 @sext256_vXi1() "min-legal-vector-width"="256" {
; AVX-LABEL: 'sext256_vXi1'
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = sext <2 x i1> undef to <2 x
i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i64 = sext <4 x i1> undef to <4 x

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i64>

; AVX-NEXT: Cost Model: Found an estimated cost of 7
for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>

; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = sext <2 x i1> undef to <2 x i32>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>

; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>

; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>

; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction:
%V8i16 = sext <8 x i1> undef to <8 x i16>

; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>

; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>

; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = sext <2 x i1> undef to <2 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = sext <4 x i1> undef to <4 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = sext <8 x i1> undef to <8 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = sext <16 x i1> undef to <16 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i8 = sext <32 x i1> undef to <32 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction:
%V64i8 = sext <64 x i1> undef to <64 x i8>

; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef

;

; AVX512VL256-LABEL: 'sext256_vXi1'

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef to <2 x i64>

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef to <4 x i64>

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef to <2 x i32>

; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>

```

; AVX512VL256-NEXT:
  Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i32 = sext <16 x i1>
undef to <16 x i32>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V2i16 = sext <2 x i1> undef
to <2 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i16 = sext <4 x i1> undef
to <4 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V8i16 = sext <8 x i1> undef
to <8 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V16i16 = sext <16 x i1>
undef to <16 x i16>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 20 for instruction: %V32i16 = sext <32 x i1>
undef to <32 x i16>
; AVX512VL256-NEXT: Cost Model: Found
an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V2i8 = sext <2 x i1> undef to
<2 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V4i8 = sext <4 x i1> undef to
<4 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V8i8 = sext <8 x i1> undef to
<8 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V16i8 = sext <16 x i1>
undef to <16 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 21 for instruction: %V32i8 = sext <32 x i1>
undef to <32 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 42 for instruction: %V64i8 = sext <64 x i1>
undef to <64 x i8>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL512-LABEL: 'sext256_vXi1'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction:
%I64 = sext i1 undef to i64
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef
to <2 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef
to <4 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i64 = sext <8 x i1> undef
to <8 x i64>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef
to <2 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef
to <4 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef
to <8 x i32>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i32 = sext <16 x i1>

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undef to <16 x i32>
; AVX512VL512-NEXT:
  Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = sext <2 x i1> undef
to <2 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = sext <4 x i1> undef
to <4 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = sext <8 x i1> undef
to <8 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i16 = sext <16 x i1>
undef to <16 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i16 = sext <32 x i1>
undef to <32 x i16>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = sext <2 x i1> undef to
<2 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction:
  %V4i8 = sext <4 x i1> undef to <4 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i8 = sext <8 x i1> undef to
<8 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i8 = sext <16 x i1> undef
to <16 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i8 = sext <32 x i1> undef
to <32 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 15 for instruction: %V64i8 = sext <64 x i1>
undef to <64 x i8>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; SKX256-LABEL: 'sext256_vXi1'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef to <2 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef to <4 x
i64>
; SKX256-NEXT:
  Cost Model: Found an estimated cost of 3 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef to <2 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i32 = sext <16 x i1> undef to
<16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = sext <2 x i1> undef to <2 x
i16>

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; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i16 = sext <8 x i1> undef to <8 x i16>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = sext <16 x i1> undef to <16 x i16>

; SKX256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V32i16 = sext <32 x i1> undef to <32 x i16>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i8 = sext <2 x i1> undef to <2 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = sext <4 x i1> undef to <4 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = sext <8 x i1> undef to <8 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i8 = sext <16 x i1> undef to <16 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i8 = sext <32 x i1> undef to <32 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V64i8 = sext <64 x i1> undef to <64 x i8>

; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef

;

; SKX512-LABEL: 'sext256_vXi1'

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I64 = sext i1 undef to i64

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i64 = sext <2 x i1> undef to <2 x i64>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i64 = sext <4 x i1> undef to <4 x i64>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i64 = sext <8 x i1> undef to <8 x i64>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I32 = sext i1 undef to i32

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = sext <2 x i1> undef to <2 x i32>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i32 = sext <4 x i1> undef to <4 x i32>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i32 = sext <8 x i1> undef to <8 x i32>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i32 = sext <16 x i1> undef to <16 x i32>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %I16 = sext i1 undef to i16

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = sext <2 x i1> undef to <2 x i16>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = sext <4 x i1> undef to <4 x i16>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i16 = sext <8 x i1> undef to <8 x i16>

; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i16 = sext <16 x i1> undef to

```

<16 x i16>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i16 = sext <32 x i1> undef to
<32 x i16>
; SKX512-NEXT:
  Cost Model: Found an estimated cost of 1 for instruction: %I8 = sext i1 undef to i8
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i8 = sext <2 x i1> undef to <2 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = sext <4 x i1> undef to <4 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = sext <8 x i1> undef to <8 x
i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V16i8 = sext <16 x i1> undef to <16
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V32i8 = sext <32 x i1> undef to <32
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V64i8 = sext <64 x i1> undef to <64
x i8>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
%I64 = sext i1 undef to i64
%V2i64 = sext <2 x i1> undef to <2 x i64>
%V4i64 = sext <4 x i1> undef to <4 x i64>
%V8i64 =
sext <8 x i1> undef to <8 x i64>

%I32 = sext i1 undef to i32
%V2i32 = sext <2 x i1> undef to <2 x i32>
%V4i32 = sext <4 x i1> undef to <4 x i32>
%V8i32 = sext <8 x i1> undef to <8 x i32>
%V16i32 = sext <16 x i1> undef to <16 x i32>

%I16 = sext i1 undef to i16
%V2i16 = sext <2 x i1> undef to <2 x i16>
%V4i16 = sext <4 x i1> undef to <4 x i16>
%V8i16 = sext <8 x i1> undef to <8 x i16>
%V16i16 = sext <16 x i1> undef to <16 x i16>
%V32i16 = sext <32 x i1> undef to <32 x i16>

%I8 = sext i1 undef to i8
%V2i8 = sext <2 x i1> undef to <2 x i8>
%V4i8 = sext <4 x i1> undef to <4 x i8>
%V8i8 = sext <8 x i1> undef to <8 x i8>
%V16i8 = sext <16 x i1> undef to <16 x i8>
%V32i8 = sext <32 x i1> undef to <32 x i8>
%V64i8 = sext <64 x i1> undef to <64 x i8>

ret i32 undef
}

```

```

define i32 @trunc_vXi1() "min-legal-vector-width"="256" {
; AVX-LABEL: 'trunc_vXi1'
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V2i64 = trunc <2 x i64> undef to
<2 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to
<16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V32i64 = trunc <32 x i64> undef to
<32 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 46 for instruction: %V64i64 = trunc <64 x i64> undef to
<64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 5 for instruction:
%V16i32 = trunc <16 x i32> undef to <16 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V32i32 = trunc <32 x i32> undef to
<32 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V64i32 = trunc <64 x i32> undef to
<64 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V16i16 = trunc <16 x i16> undef to <16
x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V32i16 = trunc <32 x i16> undef to <32
x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 18 for instruction: %V64i16 = trunc <64 x i16> undef to
<64 x i1>
; AVX-NEXT: Cost Model:
Found an estimated cost of 1 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x
i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %V64i8 = trunc <64 x i8> undef to <64 x

```



```

i1>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL256-LABEL: 'trunc_vXi1'
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64>
undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4
x i64> undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64>
undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64>
undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V32i64 = trunc <32 x i64>
undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 44 for instruction: %V64i64 = trunc <64 x i64>
undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32>
undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32>
undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32>
undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = trunc <16 x i32>
undef
to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 10 for instruction: %V32i32 = trunc <32 x i32>
undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 20 for instruction: %V64i32 = trunc <64 x i32>
undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = trunc <2 x i16>
undef to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = trunc <4 x i16>
undef to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = trunc <8 x i16>
undef to <8 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V16i16 = trunc <16 x i16>
undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 16 for instruction: %V32i16 = trunc <32 x i16>
undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 32 for instruction: %V64i16 = trunc <64 x i16>
undef to
<64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = trunc <2 x i8> undef
to <2 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i8 = trunc <4 x i8> undef
to <4 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i8 = trunc <8 x i8> undef
to <8 x i1>

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; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V16i8 = trunc <16 x i8>
undef to <16 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 17 for instruction: %V32i8 = trunc <32 x i8>
undef to <32 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 34 for instruction: %V64i8 = trunc <64 x i8>
undef to <64 x i1>
; AVX512VL256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; AVX512VL512-LABEL: 'trunc_vXi1'
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64>
undef to <2 x i1>
; AVX512VL512-NEXT:
Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = trunc <8 x i64>
undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64>
undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 22 for instruction: %V32i64 = trunc <32 x i64>
undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 44 for instruction: %V64i64 = trunc <64 x i64>
undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32>
undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32>
undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32>
undef to <8 x i1>
; AVX512VL512-NEXT:
Cost Model: Found an estimated cost of 2 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %V32i32 = trunc <32 x i32>
undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 8 for instruction: %V64i32 = trunc <64 x i32>
undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i16 = trunc <2 x i16>
undef to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i16 = trunc <4 x i16>
undef to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i16 = trunc <8 x i16>
undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i16 = trunc <16 x i16>
undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i16 = trunc <32 x i16>
undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model:
Found an estimated cost of 14 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V2i8 = trunc <2 x i8> undef
to <2 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V4i8 = trunc <4 x i8> undef

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to <4 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 15 for instruction: %V64i8 = trunc <64 x i8> undef to <64 x i1>
; AVX512VL512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
; SKX256-LABEL: 'trunc_vXi1'
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 9 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 47 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>
; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V32i16 = trunc <32 x i16> undef to <32 x i1>
; SKX256-NEXT: Cost Model: Found

an estimated cost of 11 for instruction: %V64i16 = trunc <64 x i16> undef to <64 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = trunc <16 x i8> undef to <16 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i8 = trunc <32 x i8> undef to <32 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V64i8 = trunc <64 x i8> undef to <64 x i1>
 ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
 ;
 ; SKX512-LABEL: 'trunc_vXi1'
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i64 = trunc <2 x i64> undef to <2 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i64 = trunc <4 x i64> undef to <4 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i64 = trunc <8 x i64> undef to <8 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V16i64 = trunc <16 x i64> undef to <16 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 23 for instruction: %V32i64 = trunc <32 x i64> undef to <32 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 47 for instruction: %V64i64 = trunc <64 x i64> undef to <64 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i32 = trunc <2 x i32> undef to <2 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i32 = trunc <4 x i32> undef to <4 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i32 = trunc <8 x i32> undef to <8 x i1>
 ; SKX512-NEXT: Cost Model:
 Found an estimated cost of 2 for instruction: %V16i32 = trunc <16 x i32> undef to <16 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 5 for instruction: %V32i32 = trunc <32 x i32> undef to <32 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 11 for instruction: %V64i32 = trunc <64 x i32> undef to <64 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i16 = trunc <2 x i16> undef to <2 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i16 = trunc <4 x i16> undef to <4 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i16 = trunc <8 x i16> undef to <8 x i1>
 ; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i16 = trunc <16 x i16> undef to <16 x i1>

```

; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i16 = trunc <32 x i16> undef to
<32 x i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 5 for instruction:
%V64i16 = trunc <64 x i16> undef to <64 x i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V2i8 = trunc <2 x i8> undef to <2 x
i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V4i8 = trunc <4 x i8> undef to <4 x
i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V8i8 = trunc <8 x i8> undef to <8 x
i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V16i8 = trunc <16 x i8> undef to
<16 x i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V32i8 = trunc <32 x i8> undef to
<32 x i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %V64i8 = trunc <64 x i8> undef to
<64 x i1>
; SKX512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret i32 undef
;
%V2i64 = trunc <2 x i64> undef to <2 x i1>
%V4i64 = trunc <4 x i64> undef to <4 x i1>
%V8i64 = trunc <8 x i64> undef to <8 x i1>
%V16i64 = trunc <16 x i64>
undef to <16 x i1>
%V32i64 = trunc <32 x i64> undef to <32 x i1>
%V64i64 = trunc <64 x i64> undef to <64 x i1>

%V2i32 = trunc <2 x i32> undef to <2 x i1>
%V4i32 = trunc <4 x i32> undef to <4 x i1>
%V8i32 = trunc <8 x i32> undef to <8 x i1>
%V16i32 = trunc <16 x i32> undef to <16 x i1>
%V32i32 = trunc <32 x i32> undef to <32 x i1>
%V64i32 = trunc <64 x i32> undef to <64 x i1>

%V2i16 = trunc <2 x i16> undef to <2 x i1>
%V4i16 = trunc <4 x i16> undef to <4 x i1>
%V8i16 = trunc <8 x i16> undef to <8 x i1>
%V16i16 = trunc <16 x i16> undef to <16 x i1>
%V32i16 = trunc <32 x i16> undef to <32 x i1>
%V64i16 = trunc <64 x i16> undef to <64 x i1>

%V2i8 = trunc <2 x i8> undef to <2 x i1>
%V4i8 = trunc <4 x i8> undef to <4 x i1>
%V8i8 = trunc <8 x i8> undef to <8 x i1>
%V16i8 = trunc <16 x i8> undef to <16 x i1>
%V32i8 = trunc <32 x i8> undef to <32 x i1>
%V64i8 = trunc <64 x i8> undef to <64 x i1>

ret i32 undef

```

}

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1.993 jsonpb 3.2.17+dfsg-1

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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1.997 python 2.7.15~rc1-1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
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2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
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2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009		

PSF yes
2.6.5 2.6.4 2010 PSF yes

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dh_python2, pycompile, pyclean and debpython module:

=====

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1.1009 mime-pull 1.9.6

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1.1010 commons-digester 1.8

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jar/org/apache/commons/digester/CallParamRule.java

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- *
- /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/xmlrules/package.html
- * /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/parser/package.html
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- * /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/package.html

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jar/org/apache/commons/digester/plugins/strategies/FinderFromFile.java
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```
jar/org/apache/commons/digester/SetRootRule.java
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Found in path(s):

* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/BeanPropertySetterRule.java

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/* \$Id: GenericParser.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/parser/GenericParser.java

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/* \$Id: SetPropertyRule.java 471661 2006-11-06 08:09:25Z skitching \$

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/* \$Id: FinderFromDfltClass.java 471661 2006-11-06 08:09:25Z skitching \$

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* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltClass.java

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/* \$Id: PluginCreateRule.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/PluginCreateRule.java
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```
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jar/org/apache/commons/digester/Rule.java
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```
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/* \$Id: SimpleRegexMatcher.java 471661 2006-11-06 08:09:25Z skitching \$

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/* \$Id: PluginException.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/PluginException.java
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/* \$Id: MultiVariableExpander.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/substitution/MultiVariableExpander.java
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/* \$Id: NodeCreateRule.java 472835 2006-11-09 09:59:53Z skitching \$

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*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/NodeCreateRule.java
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/* \$Id: RuleLoader.java 471661 2006-11-06 08:09:25Z skitching \$

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*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/RuleLoader.java
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/* \$Id: SetNextRule.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/SetNextRule.java

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/* \$Id: PluginAssertionFailure.java 476205 2006-11-17 16:43:10Z dennisl \$

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jar/org/apache/commons/digester/plugins/PluginAssertionFailure.java

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/* \$Id: SetPropertyRule.java 471661 2006-11-06 08:09:25Z skitching \$

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/* \$Id: LoaderFromClass.java 472842 2006-11-09 10:19:56Z skitching \$

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* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/LoaderFromClass.java

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/* \$Id: InitializableRule.java 471661 2006-11-06 08:09:25Z skitching \$

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Found in path(s):

* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/xmlrules/DigesterLoader.java

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/* \$Id: RulesFactory.java 471661 2006-11-06 08:09:25Z skitching \$

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/* $Id: PathCallParamRule.java 471661 2006-11-06 08:09:25Z skitching $
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jar/org/apache/commons/digester/PathCallParamRule.java
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```
/* $Id: DigesterLoadingException.java 476205 2006-11-17 16:43:10Z dennisl $
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*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/xmlrules/DigesterLoadingException.java
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jar/org/apache/commons/digester/CallMethodRule.java
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jar/org/apache/commons/digester/AbstractObjectCreationFactory.java
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*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
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jar/org/apache/commons/digester/Rules.java

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/* \$Id: StackAction.java 476205 2006-11-17 16:43:10Z dennisl \$

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/* \$Id: LogUtils.java 471661 2006-11-06 08:09:25Z skitching \$

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/* \$Id: FinderFromClass.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/strategies/FinderFromClass.java
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/* \$Id: ObjectCreateRule.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/ObjectCreateRule.java
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/* \$Id: PluginConfigurationException.java 476205 2006-11-17 16:43:10Z dennisl \$

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/* \$Id: RuleFinder.java 471661 2006-11-06 08:09:25Z skitching \$
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jar/org/apache/commons/digester/plugins/strategies/FinderSetProperties.java
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/* \$Id: AbstractRulesImpl.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/AbstractRulesImpl.java
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/* \$Id: PluginContext.java 476312 2006-11-17 20:59:09Z rahul \$

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jar/org/apache/commons/digester/plugins/PluginContext.java
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```
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jar/org/apache/commons/digester/Substitutor.java
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jar/org/apache/commons/digester/package.html

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/* \$Id: Digester.java 480169 2006-11-28 19:37:36Z rahul \$

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jar/org/apache/commons/digester/Digester.java

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/* \$Id: FinderFromResource.java 471661 2006-11-06 08:09:25Z skitching \$

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* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/FinderFromResource.java
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/* \$Id: WithDefaultsRulesWrapper.java 471661 2006-11-06 08:09:25Z skitching \$

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/* \$Id: PluginInvalidInputException.java 476205 2006-11-17 16:43:10Z dennisl \$

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Found in path(s):

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* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/plugins/PluginInvalidInputException.java  
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```

```
/* $Id: LoaderSetProperties.java 471661 2006-11-06 08:09:25Z skitching $  
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jar/org/apache/commons/digester/plugins/strategies/LoaderSetProperties.java  
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jar/org/apache/commons/digester/FactoryCreateRule.java

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```
/* $Id: FinderFromMethod.java 471661 2006-11-06 08:09:25Z skitching $
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jar/org/apache/commons/digester/plugins/strategies/FinderFromMethod.java
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jar/org/apache/commons/digester/xmlrules/DigesterRuleParser.java
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jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltResource.java

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/* \$Id: ParserFeatureSetterFactory.java 476205 2006-11-17 16:43:10Z dennisl \$

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jar/org/apache/commons/digester/ParserFeatureSetterFactory.java

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jar/org/apache/commons/digester/plugins/Declaration.java
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/* \$Id: XmlLoadException.java 471661 2006-11-06 08:09:25Z skitching \$
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/* \$Id: FromXmlRuleSet.java 471661 2006-11-06 08:09:25Z skitching \$
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jar/org/apache/commons/digester/plugins/PluginRules.java
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jar/org/apache/commons/digester/SetNestedPropertiesRule.java
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jar/org/apache/commons/digester/plugins/PluginManager.java
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* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/RegexRules.java

1.1011 commons-io 2.6

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1.1013 commons-lang3 2.4

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1.1014 asm 3.3.1

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jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXClassAdapter.java
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/opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
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jar/org/objectweb/asm/commons/package.html

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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/Frame.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
 *
 /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/GeneratorAdapter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/FieldWriter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/ASMifierMethodVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
 *
 /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/MethodVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/ByteVector.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/IntInsnNode.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/AnalyzerAdapter.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/FieldInsnNode.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/Method.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/Analyzer.java
 *
 /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/TraceClassVisitor.java
 * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/MemberNode.java

* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/MethodWriter.java
*
/opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/ClassNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/AbstractVisitor.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/InsnList.java

1.1015 commons-validator 1.4.0

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1.1016 plexus-cipher 1.7

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* /opt/ws_local/PERMITS_SQL/1092924019_1600811440.54/0/plexus-cipher-1-7-sources-1-jar/org/sonatype/plexus/components/cipher/DefaultPlexusCipher.java

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1.1017 plexus-sec-dispatcher 1.4

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jar/org/sonatype/plexus/components/sec/dispatcher/DefaultSecDispatcher.java

*

/opt/cola/permits/1136136687_1613688595.31/0/plexus-sec-dispatcher-1-4-sources-1-
jar/org/sonatype/plexus/components/sec/dispatcher/SecDispatcher.java

* /opt/cola/permits/1136136687_1613688595.31/0/plexus-sec-dispatcher-1-4-sources-1-
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1.1018 backport-util-concurrent 3.1

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1.1019 plexus-classworlds 1.1-alpha-2

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* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
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* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/math/NumberUtils.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/exception/NestableError.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/CharRange.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/time/DateUtils.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/builder/HashCodeBuilder.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
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* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
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* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-

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jar/org/apache/commons/lang/exception/NestableRuntimeException.java
* /opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
jar/org/apache/commons/lang/builder/StandardToStringStyle.java
*
/opt/cola/permits/1136685337_1613854466.33/0/commons-lang-2-1-sources-2-
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1.1021 jersey-apache-connector 2.25.1

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1.1026 jersey-rx-client 2.25.1

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1.1032 open-ldap 2.4.45+dfsg-1ubuntu1.1

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1.1033 commons-cli 1.0

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 * $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/Parser.java,v 1.7 2002/10/24 23:17:49
jkeyes Exp $
 * $Revision: 1.7 $
 * $Date: 2002/10/24 23:17:49 $
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 * \$Header: /home/cvs/jakarta-commons-
 sandbox/cli/src/java/org/apache/commons/cli/UnrecognizedOptionException.java,v 1.2 2002/06/06 09:37:26
 jstrachan Exp \$
 * \$Revision: 1.2 \$
 * \$Date: 2002/06/06 09:37:26 \$

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* \$Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/GnuParser.java,v 1.10 2002/09/19 22:59:43 jkeyes Exp \$

* \$Revision: 1.10 \$

* \$Date: 2002/09/19 22:59:43 \$

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* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/TypeHandler.java,v 1.2
2002/06/06 22:49:36 bayard Exp \$

* \$Revision: 1.2 \$

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jar/org/apache/commons/cli/TypeHandler.java

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* \$Header: /home/cvs/jakarta-commons-

sandbox/cli/src/java/org/apache/commons/cli/MissingArgumentException.java,v 1.2 2002/06/06 09:37:26 jstrachan

Exp \$

* \$Revision: 1.2 \$

* \$Date: 2002/06/06 09:37:26 \$

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Found in path(s):

* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/MissingArgumentException.java

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

/*

* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/OptionGroup.java,v 1.2
2002/06/06 09:37:26 jstrachan Exp \$

* \$Revision: 1.2 \$

* \$Date: 2002/06/06 09:37:26 \$

*

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```

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```

* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/OptionGroup.java

```

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

```

/*

```

```

* $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/OptionBuilder.java,v 1.12 2002/10/15
22:50:45 jkeyes Exp $

```

```

* $Revision: 1.12 $

```

* \$Date: 2002/10/15 22:50:45 \$

*

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jar/org/apache/commons/cli/OptionBuilder.java

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

/*

* \$Header: /home/cvs/jakarta-commons-
sandbox/cli/src/java/org/apache/commons/cli/MissingOptionException.java,v 1.2 2002/06/06 09:37:26 jstrachan
Exp \$

* \$Revision: 1.2 \$

* \$Date: 2002/06/06 09:37:26 \$

*

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 jar/org/apache/commons/cli/MissingOptionException.java

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

/*

* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/Options.java,v 1.5
 2002/06/06 22:32:37 bayard Exp \$

* \$Revision: 1.5 \$

* \$Date: 2002/06/06 22:32:37 \$

*
 *

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* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/Options.java

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

/*

* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/PatternOptionBuilder.java,v
1.2 2002/06/06 22:49:36 bayard Exp \$

* \$Revision: 1.2 \$

* \$Date: 2002/06/06 22:49:36 \$

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* \$Id: Option.java,v 1.6 2002/06/06 22:50:14 bayard Exp \$
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* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/Option.java

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* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/CommandLine.java,v 1.4
2002/06/06 22:32:37 bayard Exp \$

* \$Revision: 1.4 \$

* \$Date: 2002/06/06 22:32:37 \$

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* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/CommandLine.java

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/opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-
jar/org/apache/commons/cli/HelpFormatter.java

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/*

* \$Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/CommandLineParser.java,v 1.4
2002/09/19 22:59:43 jkeyes Exp \$

* \$Revision: 1.4 \$

* \$Date: 2002/09/19 22:59:43 \$

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* /opt/cola/permits/1147456877_1617040684.68/0/commons-cli-1-0-sources-2-jar/org/apache/commons/cli/CommandLineParser.java

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/*

* \$Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/PosixParser.java,v 1.11 2002/09/19 22:59:43 jkeyes Exp \$

* \$Revision: 1.11 \$

* \$Date: 2002/09/19 22:59:43 \$

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jar/org/apache/commons/cli/PosixParser.java

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/*

* \$Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/BasicParser.java,v 1.3 2002/09/19
22:59:43 jkeyes Exp \$

* \$Revision: 1.3 \$

* \$Date: 2002/09/19 22:59:43 \$

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* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/AlreadySelectedException.java,v 1.4 2002/06/06 09:37:26 jstrachan Exp \$

* \$Revision: 1.4 \$

* \$Date: 2002/06/06 09:37:26 \$

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jar/org/apache/commons/cli/AlreadySelectedException.java

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/*

* \$Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/ParseException.java,v 1.2
2002/06/06 09:37:26 jstrachan Exp \$

* \$Revision: 1.2 \$

* \$Date: 2002/06/06 09:37:26 \$

*

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1.1034 jetty-continuation 9.4.10.v20180503

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* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/ContinuationListener.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/ContinuationSupport.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/ContinuationThrowable.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/Continuation.java
*
```

```
/opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/ContinuationFilter.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/Servlet3Continuation.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/FauxContinuation.java
* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-
jar/org/eclipse/jetty/continuation/package-info.java
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* /opt/cola/permits/1147456864_1616955837.19/0/jetty-continuation-9-4-10-v20180503-sources-2-jar/about.html
```

1.1035 libxml 2.9.4+dfsg1-6.1ubuntu1.2

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1.1036 commons-beanutils 1.6

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 * $Revision: 1.3 $
 * $Date: 2003/01/15 21:59:38 $
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1.1037 jsr305 1.3.7

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1.1039 hamcrest 1.3

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1.1042 xml-apis 2.0.2

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```
/**
 * Default base class for handlers.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p>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 { @link org.xml.sax.helpers.DefaultHandler DefaultHandler }
 * class instead.</p>
 *
 * <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>Note that the use of this class is optional.</p>
 *
 * @deprecated This class works with the deprecated
 * { @link
 * org.xml.sax.DocumentHandler DocumentHandler }
 * interface. It has been replaced by the SAX2
 * { @link org.xml.sax.helpers.DefaultHandler DefaultHandler }
 * 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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```
/**
 * Basic interface for SAX error handlers.
 *
```

```

* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* <p>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.</p>
*
* <p><strong>WARNING:</strong> If an application does <em>not</em>
* register an ErrorHandler, XML parsing errors will go unreported
* and bizarre behaviour may result.</p>
*
* <p>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 #fatalError fatalError} (in other words, a SAX driver class
* could catch an exception and report a fatalError).</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#setErrorHandler
* @see org.xml.sax.SAXParseException
*/

```

Found in path(s):

```

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ErrorHandler.java

```

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```

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```

```

/**

```

```

* Base class for deriving an XML filter.

```

```

*

```

```

* <blockquote>

```

```

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```

```

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```

```

* </blockquote>

```

```

*

```

```

* <p>This class is designed to sit between an { @link org.xml.sax.XMLReader

```

```

* 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,
- * sax@megginson.com
- * @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

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/**

- * Receive notification of basic DTD-related events.
- *
- * <blockquote>
- * This module, both source code and documentation, is in the
- * Public Domain, and comes with NO WARRANTY.
- * </blockquote>
- *
- * <p>If a SAX application needs information about notations and
- * 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>Note that this interface includes only those DTD events that
- * the XML recommendation requires processors to report:
- * notation and unparsed entity declarations.</p>
- *
- * <p>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>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 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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```

```

// NO WARRANTY! This class is in the public domain.
/**
* Interface for a list of XML attributes.
*
* <blockquote>
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* </blockquote>
*
* <p>This interface allows access to a list of attributes in
* three different ways:</p>
*
* <ol>
* <li>by attribute index;</li>
* <li>by Namespace-qualified name; or</li>
* <li>by qualified (prefixed) name.</li>
* </ol>
*
* <p>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>
*
* <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>
 *
 * <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>
 *
 * <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,
 * sax@megginson.com
 * @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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* /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/ls/DOMWriter.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/xpath/XPathException.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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/**
* Interface for associating a SAX event with a document location.
*
* <blockquote>
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* </blockquote>
*
* <p>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 { @link org.xml.sax.ContentHandler#setDocumentLocator
* setDocumentLocator } method. The application can use the
* object to obtain the location of any other content handler event
* in the XML source document.</p>
*
* <p>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.</p>
*
* <p>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 { @link org.xml.sax.ContentHandler#startDocument startDocument }
* event, the application should assume that a locator is not
* available.</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.ContentHandler#setDocumentLocator
*/
```

Found in path(s):

```
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Locator.java
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```

```
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```

```
/**
```

```
* 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
```

```
* @author David Megginson,
```

```
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
```

```
* @version 2.0
```

```
* @see org.xml.sax.helpers.XMLFilterImpl
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLFilter.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>
```

```
*
```

* <p>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>

*

* <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>

*

* <pre>

```
* 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>
```

*

* <p>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

* @author David Megginson,

* sax@megginson.com

* @version 2.0

* @see org.xml.sax.AttributeList

* @see org.xml.sax.DocumentHandler#startElement

*/

Found in path(s):

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-

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*/

Found in path(s):

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/ConvertToURI.java

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/**

* Interface for an element's attribute specifications.

*

* <blockquote>

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* Public Domain, and comes with NO WARRANTY.

* </blockquote>

*

* <p>This is the original SAX1 interface for reporting an element's

* attributes. Unlike the new { @link org.xml.sax.Attributes Attributes }

* interface, it does not support Namespace-related information.</p>

*

* <p>When an attribute list is supplied as part of a

* { @link org.xml.sax.DocumentHandler#startElement 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

* { @link org.xml.sax.helpers.AttributeListImpl AttributeListImpl }

* helper class.</p>

*

* <p>An attribute list includes only

attributes that have been

* specified or defaulted: #IMPLIED attributes will not be included.</p>

*

* <p>There are two ways for the SAX application to obtain information

* from the AttributeList. First, it can iterate through the entire

* list:</p>

*

* <pre>

```

* 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);
*     [...]
*   }
* }
* }
* </pre>
*
* <p>(Note that the result of getLength() will be zero if there
* are no attributes.)
*
* <p>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

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

/*

```

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* hope that it will be useful, but WITHOUT ANY WARRANTY; without even
* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR

```


* PURPOSE.

* See W3C License <http://www.w3.org/Consortium/Legal/> for more details.

*/

/**

* 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. <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

* XPathExpression 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 getInterface 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 createResult

* 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 XPathEvaluator on Document can be a problem due to

* conflicts in the names of the methods.The working group finds no better

* solution. GetInterface 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 XPathEvaluator 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.
* <p>See also the Document Object
Model (DOM) Level 3 XPath Specification.
*/

Found

in path(s):

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/xpath/XPathEvaluator.java

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// NO WARRANTY! This class is in the Public Domain.

/**

* Factory for creating an XML reader.

*

* <blockquote>

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* Public Domain, and comes with NO WARRANTY.

* See http://www.saxproject.org

* for further information.

* </blockquote>

*

* <p>This class contains static methods for creating an XML reader

* from an explicit class name, or based on runtime defaults:</p>

*

* <pre>

* try {

* XMLReader myReader = XMLReaderFactory.createXMLReader();

* } catch (SAXException e) {

* System.err.println(e.getMessage());

* }

* </pre>

*

* <p>Note to Distributions bundled with parsers:

* You should modify the implementation of the no-arguments

* createXMLReader 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

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/**

* Encapsulate Namespace logic for use by SAX drivers.

*

* <blockquote>

* This module, both source code and documentation, is in the

* Public Domain, and comes with NO WARRANTY.

* </blockquote>

*

* <p>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.</p>

*

* <p>Namespace support objects are reusable, but the reset method

* must be invoked between each session.</p>

*

* <p>Here is a simple session:</p>

*

* <pre>

* 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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```
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* hope that it will be useful, but WITHOUT ANY WARRANTY; without even
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* PURPOSE.
* See W3C License http://www.w3.org/Consortium/Legal/ for more details.
*/
```

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/traversal/DocumentTraversal.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
*
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/ranges/DocumentRange.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Element.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/Range.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/traversal/NodeFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Document.java
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```

// NO WARRANTY! This class is in the public domain.

/**

* Default base class for SAX2 event handlers.

*

* <blockquote>

* This module, both source code and documentation, is in the

* Public Domain, and comes with NO WARRANTY.

* </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>

*

*

```

* <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

```

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```

/**
* Basic interface for resolving entities.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* <p>If a SAX application needs to implement customized handling
* for external entities, it must implement this interface and
* register an instance with the SAX driver using the
* { @link org.xml.sax.XMLReader#setEntityResolver setEntityResolver }
* method.</p>
*
* <p>The XML reader will then allow the application to intercept any
* external entities (including the external DTD subset and external
* parameter entities, if any) before including them.</p>
*

```

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

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

*
* <pre>
* import org.xml.sax.EntityResolver;
* import org.xml.sax.InputSource;
*
* public class MyResolver implements EntityResolver {
* public InputSource resolveEntity (String publicId, String systemId)
* {
* 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,
* sax@megginson.com
* @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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/**

* Encapsulate an XML parse error or warning.

*

```

* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* <p>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>
*
* <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/xml/sax/helpers/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ext/package.html

```

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```

// NO WARRANTY! This class is in the Public Domain.

```

```

/**

```

```

* Interface for reading an XML document using callbacks.

```

```

*

```

```

* <blockquote>

```

```

* <em>This module, both source code and documentation, is in the

```

```

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```

```

* </blockquote>

```

```

*

```

```

* <p><strong>Note:</strong> despite its name, this interface does

```



```

* <em>not</em> extend the standard Java { @link java.io.Reader Reader}
* interface, because reading XML is a fundamentally different activity
* than reading character data.</p>
*
* <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>
*
* <p>All SAX interfaces are assumed to be synchronous: the
* { @link #parse parse } 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>
*
* <p>This interface replaces the (now deprecated) SAX 1.0 { @link
* org.xml.sax.Parser Parser } interface. The XMLReader interface
* contains two important enhancements over the old Parser
* interface:</p>
*
* <ol>
* <li>it adds a standard way to query and set features and
* properties; and</li>
* <li>it adds Namespace support, which is required for many
* higher-level XML standards.</li>
* </ol>
*
* <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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```
/*
```

```

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* Recherche en Informatique et en Automatique, Keio University). All

```

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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/HTMLHtmlElement.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/HTMLLabelElement.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/HTMLDocument.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/HTMLInputElement.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/HTMLDirectoryElement.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/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/HTMLLOListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLFieldSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLFormElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLTableElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLTextAreaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLLIElement.java
*
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLLinkElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLParamElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLTableColElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLTitleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLButtonElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLAreaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLIFrameElement.java
*
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLDivElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLImageElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/html/HTMLScriptElement.java

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLModElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOptGroupElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLQuoteElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLPreElement.java
*
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLMetaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLAnchorElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableSectionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLObjectElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableCaptionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLMapElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLAppletElement.java
*
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLIsIndexElement.java
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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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```

```
/**
 * 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>
 *
 * <p>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:</p>
 *
 * <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>
 *
 * <p>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.</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 Locator Locator  
*/
```

Found in path(s):

```
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-  
jar/org/xml/sax/helpers/LocatorImpl.java
```

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```
// NO WARRANTY! This class is in the Public Domain.
```

```
/**
```

```
* Create a new instance of a class by name.
```

```
*
```

```
* <blockquote>
```

```
* <em>This module, both source code and documentation, is in the
```

```
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
```

```
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
```

```
* for further information.
```

```
* </blockquote>
```

```
*
```

```
* <p>This class 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. </p>
```

```
*
```

```
* <p>This code is designed to run on JDK version 1.1 and later and compile
```

```
* on versions of Java 2 and later.</p>
```

```
*
```

```
* @author Edwin Goei, David Brownell, Neil Graham
```

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

```
neilg Exp $
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-  
jar/org/xml/sax/helpers/NewInstance.java
```

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

```
/**
```

```
* A single input source for an XML entity.
```

```
*
```

```
* <blockquote>
```

```
* <em>This module, both source code and documentation, is in the
```

```
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
```

```
* </blockquote>
```

```

*
* <p>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.</p>
*
* <p>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.</p>
*
* <p>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.</p>
*
* <p>An InputSource object belongs to the application: the SAX parser
* shall never modify it in any way (it may modify a copy if
* necessary).</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#parse
* @see org.xml.sax.EntityResolver#resolveEntity
* @see java.io.InputStream
* @see java.io.Reader
*/

```

Found in path(s):

```
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/InputSource.java
```

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

```
// NO WARRANTY! This class is in the public domain.
```

```
/**
```

```
* Adapt a SAX1 Parser as a SAX2 XMLReader.
```

```
*
```

```
* <blockquote>
```

```
* <em>This module, both source code and documentation, is in the
```

```
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
```

```
* </blockquote>
```

```
*
```

```
* <p>This class wraps a SAX1 { @link org.xml.sax.Parser Parser }
```



```

* and makes it act as a SAX2 { @link org.xml.sax.XMLReader XMLReader },
* with feature, property, and Namespace support. Note
* that it is not possible to report { @link org.xml.sax.ContentHandler#skippedEntity
* skippedEntity } events, since SAX1 does not make that information available.</p>
*
* <p>This adapter does not test for duplicate Namespace-qualified
* attribute names.</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.helpers.XMLReaderAdapter
* @see org.xml.sax.XMLReader
* @see org.xml.sax.Parser
*/
/**
 * Adapt a SAX1 AttributeList as a SAX2 Attributes object.
 *
 * <p>This class is in the Public Domain, and comes with NO
 * WARRANTY of any kind.</p>
 *
 * <p>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.</p>
 */

```

Found in path(s):

```

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/ParserAdapter.java

```

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```

/**
 * Receive notification of general document events.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <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,
 * sax@megginson.com
 * @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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/**

* Encapsulate a general SAX error or warning.

*

* <blockquote>

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* Public Domain, and comes with NO WARRANTY.

* </blockquote>

*

* <p>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.</p>

*

* <p>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.</p>

*

* <p>If the parser or application needs to include information about a
* specific location in an XML document, it should use the
* { @link org.xml.sax.SAXParseException SAXParseException } subclass.</p>
*
* @since SAX 1.0
* @author
David Megginson,
* sax@megginson.com
* @version 2.0
* @see org.xml.sax.SAXParseException
*/

Found in path(s):

* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXException.java
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/traversal/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/package.html
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 jar/javax/xml/parsers/SecuritySupport.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
 jar/javax/xml/parsers/SecuritySupport12.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
 jar/org/xml/sax/helpers/SecuritySupport12.java
 *

/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/SecuritySupport.java

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/**

* Exception class for an unrecognized identifier.

*

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*

* <p>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,

* sax@megginson.com

* @version 2.0

* @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/SAXNotRecognizedException.java

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/**

* Default implementation of the Attributes interface.

*

* <blockquote>

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* See http://www.saxproject.org

* for further information.

```

* </blockquote>
*
* <p>This class provides a default implementation of the SAX2
* { @link org.xml.sax.Attributes Attributes } interface, with the
* addition of manipulators so that the list can be modified or
* reused.</p>
*
* <p>There are two typical uses of this class:</p>
*
* <ol>
* <li>to take a persistent snapshot of an Attributes object
* in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
* <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
* </ol>
*
* <p>This class replaces the
now-deprecated SAX1 { @link
* org.xml.sax.helpers.AttributeListImpl AttributeListImpl }
* class; in addition to supporting the updated Attributes
* interface rather than the deprecated { @link org.xml.sax.AttributeList
* AttributeList } interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
*
* @since 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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```

/**

```

```

* Basic interface for SAX (Simple API for XML) parsers.

```

```

*

```

```

* <blockquote>

```

```

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```

```

* </blockquote>

```

```

*

```

```

* <p>This was the main event supplier interface for SAX1; it has
* been replaced in SAX2 by { @link org.xml.sax.XMLReader XMLReader },
* which includes Namespace support and sophisticated configurability
* and extensibility.</p>

```

```

*

```

```

* <p>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.</p>
 *
 * <p>All SAX1 parsers must also implement a zero-argument constructor
 * (though other constructors are also allowed).</p>
 *
 * <p>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.</p>
 *
 * @deprecated This interface has been replaced by the SAX2
 * { @link org.xml.sax.XMLReader XMLReader }
 * interface, which includes Namespace support.
 * @since SAX 1.0
 * @author David Megginson,
 * sax@megginson.com
 * @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 lexical events.

*

* <blockquote>

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* Public Domain, and comes with NO WARRANTY.

* </blockquote>

*

* <p>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.</p>

*

* <p>The events in the lexical handler apply to the entire document,

* not just to the document element, and all lexical handler events

* 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>
 *
 * @since 1.0
 * @author David Megginson,
 * sax@megginson.com
 * @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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 */

/**
 * 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 `Document` using the
- * newly created `DOMBuilder`. Note that no lexical
- * checking is done on the absolute URI. In order to create a
- * `DOMBuilder` for any kind of schema types (i.e. the
- * `DOMBuilder` will be free to use any schema found), use the value
- * `null`. For W3C XML Schema , applications must use the
- * value `"http://www.w3.org/2001/XMLSchema"`. For XML DTD
- * , applications must use the value
- * `"http://www.w3.org/TR/REC-xml"`.

Other Schema languages

- * are outside the scope of the W3C and therefore should recommend an
- * absolute URI in order to use this method.
- * @return The newly created `DOMBuilder` object. This
- * `DOMBuilder` is either synchronous or asynchronous
- * depending on the value of the `mode` argument. By
- * default, the newly created `DOMBuilder` does not contain
- * a `DOMErrorHandler`, i.e. the value of the
- * `errorHandler` is `null`. However,
- * implementations may provide a default error handler at creation
- * time. In that case, the initial value of the
- * `errorHandler` attribute on the new created
- * `DOMBuilder` 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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/**

* Exception class for an unsupported operation.

*

* <blockquote>

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*

* <p>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.</p>
*
* @since SAX 2.0
* @author David Megginson,
* sax@megginson.com
* @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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/**

* SAX2 extension handler for DTD declaration events.

*

* <blockquote>

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* Public Domain, and comes with NO WARRANTY.

* </blockquote>

*

* <p>This is an optional extension handler for SAX2 to provide

* information about DTD declarations in an XML document. XML

* readers are not required to support this handler, and this

* handler is not included in the core SAX2 distribution.</p>

*

* <p>Note that data-related DTD declarations (unparsed entities and

* notations) are already reported through the { @link

* org.xml.sax.DTDHandler DTDHandler } interface.</p>

*

* <p>If you are using the declaration handler together with a lexical

* handler, all of the events will occur between the

* { @link org.xml.sax.ext.LexicalHandler#startDTD startDTD } and the

* { @link org.xml.sax.ext.LexicalHandler#endDTD

endDTD } events.</p>

*

* <p>To set the DeclHandler for an XML reader, use the

* { @link org.xml.sax.XMLReader#setProperty setProperty } method

* with the propertyId "http://xml.org/sax/properties/declaration-handler".

* If the reader does not support declaration 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>

*

* @since 1.0

```
* @author David Megginson,  
*   <a href="mailto:sax@megginson.com">sax@megginson.com</a>  
* @version 1.0  
* @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/ext/DeclHandler.java  
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```

```
/**
```

```
* Java-specific class for dynamically loading SAX parsers.  
*  
* <blockquote>  
* <em>This module, both source code and documentation, is in the  
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>  
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>  
* for further information.  
* </blockquote>  
*  
* <p><strong>Note:</strong> This class is designed to work with the now-deprecated  
* SAX1 { @link org.xml.sax.Parser Parser } class. SAX2 applications should use  
* { @link org.xml.sax.helpers.XMLReaderFactory XMLReaderFactory } instead.</p>  
*  
* <p>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.</p>  
*  
* <p>Note that the application still requires an XML parser that  
* implements SAX1.</p>  
*  
* @deprecated This class works with the deprecated  
*   { @link org.xml.sax.Parser Parser }  
*   interface.  
* @since SAX 1.0  
* @author David Megginson  
* @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/ParserFactory.java
```

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```

```
/**
```

```
* Adapt a SAX2 XMLReader as a SAX1 Parser.
```

```
*
```

```
* <blockquote>
```

```
* <em>This module, both source code and documentation, is in the
```

```
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
```

```
* </blockquote>
```

```
*
```

```
* <p>This class wraps a SAX2 { @link org.xml.sax.XMLReader XMLReader }
```

```
* and makes it act as a SAX1 { @link org.xml.sax.Parser Parser}. The XMLReader
```

```
* must support a true value for the
```

```
* http://xml.org/sax/features/namespace-prefixes property or parsing will fail
```

```
* with a { @link org.xml.sax.SAXException 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.</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.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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```

```
*
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 */

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
 jar/javax/xml/parsers/FilePathToURI.java

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```

// NO WARRANTY! This class is in the public domain.
/**
 * Receive notification of the logical content of a document.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p>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 { @link org.xml.sax.XMLReader#setContentHandler
 * setContentHandler} method. The parser uses the instance to report
 * basic document-related events like the start and end of elements
 * and character data.</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>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).</p>
 *
 * <p>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</p>
 *
 * <blockquote>
 * import java.net.*;
 * import org.xml.sax.*;
 * </blockquote>
 *
 * <p>In fact, "import ...*" is usually a sign of sloppy programming
 * anyway, so the user should consider this a feature rather than a
 * bug.</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.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

1.1043 servlet-api 2.5-20081211

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* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/j2ee_web_services_client_1_1.xsd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/j2ee_web_services_1_1.xsd

*

/opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/datatypes.dtd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/j2ee_1_4.xsd

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guarantee element specifies that the communication
between client and server should be NONE, INTEGRAL, or
CONFIDENTIAL. NONE means that the application does not require any
transport guarantees. A value of INTEGRAL means that the application
requires that the data sent between the client and server be sent in
such a way that it can't be changed
in transit. CONFIDENTIAL means
that the application requires that the data be transmitted in a
fashion that prevents other entities from observing the contents of
the transmission. In most cases, the presence of the INTEGRAL or
CONFIDENTIAL flag will indicate that the use of SSL is required.

Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/web-app_2_2.dtd

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INF subdirectory, along with the
appropriate implementing classes, and other resources required to
implement the tags defined therein.

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Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/jsp/resources/web-jsptaglibrary_1_2.dtd

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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: 1.5.0_13 (Sun Microsystems Inc.)
Built-By: janb
Build-Jdk: 1.5.0_13
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0>
Bundle-RequiredExecutionEnvironment: J2SE-1.4

Specification-Version: 2.5
Bnd-LastModified: 1229016831353
Export-Package: javax.servlet.http;uses:="javax.servlet";version="2.5"
,javax.servlet;version="2.5",javax.servlet.resources;version="2.5",ja
vax.servlet.jsp.resources;version="2.5"
Bundle-Version: 2.5
Ignore-Package: javax.servlet.http,javax.servlet,javax.servlet.resourc
es,javax.servlet.jsp.resources
Bundle-Name: Servlet Specification API
Bundle-Description: Servlet Specification API
Bundle-DocURL: http://www.mortbay.com
Originally-Created-By: 1.5.0_13 (Sun Microsystems Inc.)
Bundle-Vendor: Mort Bay Consulting
Bundle-ManifestVersion: 2
Bundle-SymbolicName: org.mortbay.jetty.servlet-api
Tool: Bnd-0.0.238
Implementation-Vendor:
JCP

Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/META-INF/MANIFEST.MF
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Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-
jar/javax/servlet/jsp/resources/jsp_2_1.xsd
* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-
jar/javax/servlet/resources/javaee_web_services_client_1_2.xsd
* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-
jar/javax/servlet/resources/javaee_5.xsd
* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-
jar/javax/servlet/resources/jsp_2_1.xsd
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INTEGRAL, or CONFIDENTIAL. NONE means that the
CONFIDENTIAL means that the application requires that
INTEGRAL or CONFIDENTIAL flag will indicate that the use
<xsd:enumeration value="CONFIDENTIAL" />

Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/web-app_2_5.xsd

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Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/jsp/resources/web-jsptaglibrary_2_0.xsd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/jsp_2_0.xsd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/jsp/resources/jsp_2_0.xsd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/jsp/resources/jspxml.xsd

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/jsp/resources/jspxml.dtd

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CONFIDENTIAL. NONE means that the application does not
changed in transit. CONFIDENTIAL means that the application

CONFIDENTIAL flag will indicate that the use of SSL is

<xsd:enumeration value="CONFIDENTIAL"/>

Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/web-app_2_4.xsd

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Used in: user

Found in path(s):

* /opt/cola/permits/1150919554_1617720638.09/0/servlet-api-2-5-20081211-4-jar/javax/servlet/resources/web-app_2_3.dtd

1.1044 datatype 1.3.04

1.1044.1 Available under license :

xml-commons/java/external/README.dom.txt \$Id: README.dom.txt 477038 2006-11-20 04:40:36Z mrglavas \$

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<http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/>

The specification of DOM Level 2's various parts is at:

<http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/>

<http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/>

<http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/>

<http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/>

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<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>

xml-commons/java/external/README.sax.txt \$Id: README.sax.txt 225954 2002-01-31 23:26:48Z curcuru \$

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xml-commons/java/external/xdocs/sax

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<http://www.megginson.com/Software/index.html>

The original versions are tagged 'SAX-2_0-r2-prerelease'

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David Megginson, david@megginson.com
2000-05-05

1.1045 jaxb-runtime 2.2.11

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1.1057 activemq-camel 5.15.4

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1.1068 purell v1.1.1

1.1068.1 Available under license :

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1.1069 errors v0.8.1

1.1069.1 Available under license :

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1.1070 jwt-go v3.2.0+incompatible

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1.1071 gophercloud v0.1.0

1.1071.1 Available under license :

Step 5: Writing the Code

=====

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a `_very_` rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

###

A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for `_each_` field.

Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for `_each_` call.

The following Pull Requests are good examples of how to do this:

- * <https://github.com/gophercloud/gophercloud/pull/584>
- * <https://github.com/gophercloud/gophercloud/pull/586>
- * <https://github.com/gophercloud/gophercloud/pull/587>
- *
- <https://github.com/gophercloud/gophercloud/pull/594>

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource.

However, please make sure to thoroughly review and edit it as needed.

Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests

If you plan to open more than one Pull Request, it's only natural that code

from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
```shell
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
```

Advantages of this Method:

- * Pull Requests can be merged in any order
- * Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

- * There will be a lot of duplicate code in each Pull Request
- * You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
```shell
```

```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
^^^
```

Advantages of this Method:

- \* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

- \* If a Pull Request requires changes, you will have to rebase  
\_all\_ child  
Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).  
package RESOURCE

```
import (
 "github.com/gophercloud/gophercloud"
 "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
 gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
 commonResult
}
```

```

}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
 commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
 gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
 commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
 pagination.LinkedPageBase
}

// IsEmpty determines whether
// or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
 resources, err := ExtractResources(r)
 return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
 var s struct {
 Links struct {
 Next string `json:"next"`
 Previous string `json:"previous"`
 } `json:"links"`
 }
 err := r.ExtractInto(&s)
 if err != nil {
 return "", err
 }
 return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of

```



```

// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
 var s struct {
 Resources []Resource `json:"resources"`
 }
 err := (r.(ResourcePage)).ExtractInto(&s)
 return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
 var s struct {
 Resource *Resource `json:"resource"`
 }
 err := r.ExtractInto(&s)
 return
 s.Resource, err
}
package RESOURCE

import (
 "github.com/gophercloud/gophercloud"
 "github.com/gophercloud/gophercloud/pagination"
)

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
 ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

// ToResourceListQuery formats a ListOpts into a query string.
func (opts ListOpts) ToResourceListQuery() (string, error) {
 q, err := gophercloud.BuildQueryString(opts)
 return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
 url := listURL(client)
 if opts != nil {
 query, err := opts.ToResourceListQuery()
 if err != nil {
 return pagination.Pager{Err: err}
 }
 }
}

```

```

 }
 url += query
 }
 return pagination.NewPager(client, url, func(r pagination.PageResult) pagination.Page {
 return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
 })
}

//
// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
 _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
 return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
 ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
 return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
 b, err := opts.ToResourceCreateMap()
 if err != nil {
 r.Err = err
 return
 }
 _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
 OkCodes: []int{201},
 })
 return
}

// Delete deletes
// a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
 _, r.Err = client.Delete(deleteURL(client, id), nil)
 return
}

```

```

}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
 ToResourceUpdateMap() (map[string]interface{ }, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{ }, error) {
 return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
 b, err := opts.ToResourceUpdateMap()
 if err != nil {
 r.Err = err
 return
 }
 _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
 OkCodes: []int{200},
 })
 return
}

```

## Contributor Tutorial

=====

This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

### Step 6: Code Review

=====

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:

- a. Unit Tests
- b. Code Formatting checks
- c. ``go vet`` checks

- 2. Coveralls will run a coverage test.
- 3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a ``[wip]`` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

#### ### Travis-CI

If Travis reports code formatting issues, please make sure to run ``gofmt`` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

#### ### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is ``_sometimes_`` unavoidable and ignorable.

#### ### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

#### Request a Code Review

-----

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.
2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.
3. Missing unit tests or acceptance tests.

#### Submitting Changes

-----

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

#### It's Never Personal

-----

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).  
package testing

```
import (
 "fmt"
 "net/http"
 "testing"
```

```

"github.com/gophercloud/gophercloud/openstack/service/vN/resources"
th "github.com/gophercloud/gophercloud/testhelper"
"github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = `
{
}
`

// GetResult provides a Get result.
const GetResult = `
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `
{
}
`

// UpdateRequest provides the input to as Update request.
const UpdateRequest = `
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `
{
}
`

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }

// ExpectedResourcesSlice is the
slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

```

```

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "GET")
 th.TestHeader(t, r, "Accept", "application/json")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

 w.Header().Set("Content-Type", "application/json")
 w.WriteHeader(http.StatusOK)
 fmt.Fprintf(w, ListResult)
 })
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "GET")
 th.TestHeader(t,
 r, "Accept", "application/json")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

 w.Header().Set("Content-Type", "application/json")
 w.WriteHeader(http.StatusOK)
 fmt.Fprintf(w, GetResult)
 })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "POST")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
 th.TestJSONRequest(t, r, CreateRequest)

 w.WriteHeader(http.StatusCreated)
 fmt.Fprintf(w, GetResult)
 })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "DELETE")
 th.TestHeader(t, r,

```

```

 "X-Auth-Token", client.TokenID)

 w.WriteHeader(http.StatusNoContent)
})
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
 th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
 th.TestMethod(t, r, "PATCH")
 th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
 th.TestJSONRequest(t, r, UpdateRequest)

 w.WriteHeader(http.StatusOK)
 fmt.Fprintf(w, UpdateResult)
 })
}
package testing

import (
 "testing"

 "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
 "github.com/gophercloud/gophercloud/pagination"
 th "github.com/gophercloud/gophercloud/testhelper"
 "github.com/gophercloud/gophercloud/testhelper/client"
)

func TestListResources(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleListResourcesSuccessfully(t)

 count := 0
 err := resources.List(client.ServiceClient(), nil).EachPage(func(page pagination.Page) (bool, error) {
 count++

 actual, err := resources.ExtractResources(page)
 th.AssertNoErr(t, err)

 th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)

 return true, nil
 })
 th.AssertNoErr(t, err)
 th.AssertEquals(t, count, 1)
}

```



```

func TestListResourcesAllPages(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleListResourcesSuccessfully(t)

 allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
 th.AssertNoErr(t, err)
 actual, err := resources.ExtractResources(allPages)
 th.AssertNoErr(t,
 err)
 th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleGetResourceSuccessfully(t)

 actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
 th.AssertNoErr(t, err)
 th.AssertDeepEquals(t, SecondResource, *actual)
}

func TestCreateResource(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleCreateResourceSuccessfully(t)

 createOpts := resources.CreateOpts{
 Name: "resource two",
 }

 actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
 th.AssertNoErr(t, err)
 th.AssertDeepEquals(t, SecondResource, *actual)
}

func TestDeleteResource(t *testing.T) {
 th.SetupHTTP()
 defer th.TeardownHTTP()
 HandleDeleteResourceSuccessfully(t)

 res := resources.Delete(client.ServiceClient(), "9fe1d3")
 th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {

```

```

th.SetupHTTP()
defer th.TearDownHTTP()
HandleUpdateResourceSuccessfully(t)

updateOpts
:= resources.UpdateOpts{
 Description: "Staging Resource",
}

actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

```

#### Step 4: Acceptance Testing

=====

If we haven't started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you must be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [[here](#)](/acceptance) to help you build your own small OpenStack environment for testing.

---

Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!)

start working on a Pull

Request.

/\*

Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

\*/

package RESOURCE

Step 7: Congratulations!

=====

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

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### Step 3: Code Hunting

=====

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example:

[<https://github.com/gophercloud/gophercloud/issues/621>](<https://github.com/gophercloud/gophercloud/issues/621>).

In this issue, there's a request being made to add support for

``availability_zone_hints`` to the ``networking/v2/networks`` package.

Meaning, we want to change:

```
```go
type Network struct {
    ID      string `json:"id"`
    Name    string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status  string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared  bool `json:"shared"`
}
```
```

to look like

```
```go
type Network struct {
    ID          string `json:"id"`
    Name        string `json:"name"`
    AdminStateUp bool   `json:"admin_state_up"`
    Status      string `json:"status"`
    Subnets    []string `json:"subnets"`
    TenantID    string `json:"tenant_id"`
    Shared      bool   `json:"shared"`

    AvailabilityZoneHints []string `json:"availability_zone_hints"`
}
```
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](<https://developer.openstack.org/api-ref/network/v2/>). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

- > Note: when we say the API docs might be incorrect, we are *not* implying
- > that the API docs aren't
- useful or that the contributors who work on the API
- > docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update
- > documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

<https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191>

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).



This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is `_not_` fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

- \* <https://github.com/gophercloud/gophercloud/issues/539>
- \* <https://github.com/gophercloud/gophercloud/issues/555>
- \* <https://github.com/gophercloud/gophercloud/issues/571>
- \* <https://github.com/gophercloud/gophercloud/issues/583>
- \* <https://github.com/gophercloud/gophercloud/issues/605>

### Code Hunting Tips

-----

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

- \* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.
- \* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.
- \* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

### Step 1: Read Our Guides

=====

There are two introductory guides you should read before proceeding:

- \* [CONTRIBUTING](/github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.
- \* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used

in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

## Step 2: Create an Issue

=====

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

## Reporting a Bug

-----

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

- \* <https://github.com/gophercloud/gophercloud/issues/108>
- \* <https://github.com/gophercloud/gophercloud/issues/212>
- \* <https://github.com/gophercloud/gophercloud/issues/424>
- \* <https://github.com/gophercloud/gophercloud/issues/588>
- \* <https://github.com/gophercloud/gophercloud/issues/629>
- \* <https://github.com/gophercloud/gophercloud/issues/647>

## Feature Request

-----

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### ### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect `_all_` of Gophercloud.

The following issues are examples of core change discussions:

- \* <https://github.com/gophercloud/gophercloud/issues/310>
- \* <https://github.com/gophercloud/gophercloud/issues/613>
- \* <https://github.com/gophercloud/gophercloud/issues/729>
- \* <https://github.com/gophercloud/gophercloud/issues/713>

### ### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

- \* <https://github.com/gophercloud/gophercloud/issues/620>
- \* <https://github.com/gophercloud/gophercloud/issues/621>
- \* <https://github.com/gophercloud/gophercloud/issues/658>

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](<https://github.com/gophercloud/gophercloud/issues/749>) issue.

Here, a user reported fields missing in the ``Get`` function of ``networking/v2/networks``. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in ``networking/v2/extensions``.

### ### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

- \* <https://github.com/gophercloud/gophercloud/issues/715>
- \*
- <https://github.com/gophercloud/gophercloud/issues/719>

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### ### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

- \* <https://github.com/gophercloud/gophercloud/issues/539>
- \* <https://github.com/gophercloud/gophercloud/issues/555>
- \* <https://github.com/gophercloud/gophercloud/issues/571>
- \* <https://github.com/gophercloud/gophercloud/issues/583>
- \* <https://github.com/gophercloud/gophercloud/issues/605>

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service's Python code. These links are not required for `_issues_`, but it's usually a good idea to provide them, anyway. These links `_are required_` for PRs and that will be covered in detail in a later step of this tutorial.

### ### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

- \* <https://github.com/gophercloud/gophercloud/issues/723>

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

package RESOURCE

```
import "github.com/gophercloud/gophercloud"
```

```
func listURL(client *gophercloud.ServiceClient) string {
 return client.ServiceURL("resource")
}
```

```
func getURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}
```

```
func createURL(client *gophercloud.ServiceClient) string {
 return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
 return client.ServiceURL("resource", id)
}
```

# 1.1072 compress 1.20

## 1.1072.1 Available under license :

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\* /opt/cola/permits/1257497030\_1642830210.11/0/plexus-interpolation-1-3-sources-jar/org/codehaus/plexus/interpolation/os/Os.java

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\* /opt/cola/permits/1257497030\_1642830210.11/0/plexus-interpolation-1-3-sources-jar/org/codehaus/plexus/interpolation/PrefixPropertiesValueSource.java

\*

\* /opt/cola/permits/1257497030\_1642830210.11/0/plexus-interpolation-1-3-sources-jar/org/codehaus/plexus/interpolation/PrefixObjectValueSource.java

## 1.1075 jackson-jaxrs-base 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.

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\* /opt/cola/permits/1278352646\_1645804613.94/0/jar-files-zip/jchronic-0-2-8-jar/META-INF/maven/com.rubiconproject.oss/jchronic/pom.xml



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## 1.1081 failureaccess 1.0.1

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```
/*
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 */
```

Found in path(s):

```
* /opt/cola/permits/1349013147_1655879756.6643403/0/failureaccess-1-0-1-sources-4-
jar/com/google/common/util/concurrent/internal/InternalFutures.java
* /opt/cola/permits/1349013147_1655879756.6643403/0/failureaccess-1-0-1-sources-4-
jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
```

# 1.1082 cglib 3.3.0

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# 1.1083 protobuf-java 3.9.1

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Found in path(s):

```
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/ProtocolMessageEnum.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/BufferAllocator.java
*
```



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 \* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-jar/com/google/protobuf/ByteOutput.java  
 \* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-

jar/com/google/protobuf/ListFieldSchema.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/DoubleArrayList.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/MessageSchema.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/MapFieldSchema.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/MapFieldSchemaLite.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/ByteBufferWriter.java  
\*  
/opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/MessageInfo.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/MessageInfoFactory.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/JavaType.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/AbstractParser.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/LazyFieldLite.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/RpcController.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/AbstractMessage.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/google/protobuf/struct.proto  
\*  
/opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/UnknownFieldSetLite.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/RepeatedFieldBuilder.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/TextFormatParseLocation.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/GeneratedMessageLite.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/InvalidProtocolBufferException.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/RopeByteString.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/ExperimentalApi.java  
\* /opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/UnmodifiableLazyStringList.java  
\*  
/opt/cola/permits/1456224347\_1667204118.999121/0/protobuf-java-3-9-1-sources-1-  
jar/com/google/protobuf/UnsafeUtil.java

```

* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/FieldInfo.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/ArrayDecoders.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/ProtoSyntax.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/Internal.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/UnknownFieldSchema.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/SchemaUtil.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/MapFieldSchemas.java
*
/opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/google/protobuf/duration.proto
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/AbstractProtobufList.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/LazyStringArrayList.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/NewInstanceSchemas.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/MapField.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/RpcUtil.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/SchemaFactory.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/Protobuf.java
*
/opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/DiscardUnknownFieldsParser.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-jar/google/protobuf/api.proto
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/FieldType.java
* /opt/cola/permits/1456224347_1667204118.999121/0/protobuf-java-3-9-1-sources-1-
jar/com/google/protobuf/ManifestSchemaFactory.java

```

# 1.1084 selinux 2.7-2build2

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/DefaultPluginDescription.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/p2/P2RepositoryConnector.java  
\*  
/opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/ArtifactDependencyVisitor.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/UpdateSiteProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/OsgiTestBundleProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/EclipseFeatureProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/ArtifactDependencyWalker.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/BundleReader.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/BundleProject.java  
\*  
/opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/DefaultArtifactDescriptor.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/targetplatform/MultiEnvironmentDependencyArtifacts.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/DefaultFeatureDescription.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/Utils/TychoVersion.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/targetplatform/DefaultDependencyArtifacts.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/PluginDescription.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/p2/P2ArtifactRepositoryLayout.java  
\*  
/opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/DefaultClasspathEntry.java

\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/maven/MavenDependencyCollector.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/p2/P2RepositoryConnectorFactory.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/targetplatform/LocalDependencyResolver.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/DefaultBundleReader.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/resolver/DefaultDependencyResolverFactory.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/Utils/MavenSessionUtils.java  
\*

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/project/EclipsePluginProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/maven/Utils/PluginRealmHelper.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/EclipseApplicationProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/AbstractArtifactBasedProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/project/BuildOutputJar.java

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/locking/FileLockServiceImpl.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/locking/FileLockerImpl.java  
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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/dev/DevBundleInfo.java

\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/dev/DevWorkspaceResolver.java

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/osgi/configuration/RepositorySettingsConfigurator.java

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* /opt/cola/permits/1608369443_1681853251.599929/0/tycho-core-1-0-0-sources-1-
jar/org/eclipse/tycho/core/osgitools/targetplatform/ArtifactCollection.java
* /opt/cola/permits/1608369443_1681853251.599929/0/tycho-core-1-0-0-sources-1-
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/opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/osgi/runtime/TychoOsgiRuntimeArtifacts.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/osgi/runtime/TychoOsgiRuntimeLocator.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/osgi/runtime/TychoOsgiRuntimeMainArtifacts.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/AbstractArtifactDependencyWalker.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/AbstractTychoProject.java

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/resolver/DefaultTargetPlatformConfigurationReader.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/DependencyResolver.java  
\*

/opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/resolver/DefaultTychoResolver.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/TargetPlatformConfiguration.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/OsgiBundleProject.java

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\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/FeatureDescription.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/osgitools/EclipseRepositoryProject.java  
\* /opt/cola/permits/1608369443\_1681853251.599929/0/tycho-core-1-0-0-sources-1-jar/org/eclipse/tycho/core/ee/UnknownEnvironmentException.java

# 1.1088 libxv 1.0.11-1

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## 1.1089 jsr305 3.0.2

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```
* /opt/cola/permits/1656638364_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/ThreadSafe.java
* /opt/cola/permits/1656638364_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/NotThreadSafe.java
* /opt/cola/permits/1656638364_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/Immutable.java
* /opt/cola/permits/1656638364_1682593601.2844107/0/jsr305-3-0-2-sources-9-jar/javax/annotation/concurrent/GuardedBy.java
```

## 1.1090 libxrender 0.9.10-1

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## 1.1091 netbase 5.4



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It is currently maintained by Marco d'Itri <[md@linux.it](mailto:md@linux.it)>.

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