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The End

1.6 jls-grok 0.11.5

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Found in path(s):
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/util/PropertyBeanSetter.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/IConnectionCustomizer.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/HikariDataSource.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/proxy/CallableStatementProxy.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/pool/HikariMBeanElf.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/HikariConfigMXBean.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/proxy/ClosedConnection.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/proxy/StatementProxy.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/proxy/PreparedStatementProxy.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/pool/HikariPoolMXBean.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
  jar/com/zaxxer/hikari/HikariPoolMXBean.java
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* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/ClassLoaderUtils.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/IBagStateListener.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/DriverDataSource.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/proxy/IHikariConnectionProxy.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/DefaultThreadFactory.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/pool/LeakTask.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/proxy/ConnectionProxy.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/AbstractHikariConfig.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/pool/GlobalPoolLock.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/proxy/ProxyFactory.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/Java8ConcurrentBag.java
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* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/HikariJNDIFactory.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/pool/BaseHikariPool.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/metrics/CodaHaleMetricsTracker.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/metrics/MetricsTracker.java

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* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/util/IConcurrentBagEntry.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/metrics/CodahaleHealthChecker.java

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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/runtime/Cflow.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/convert/Transformer.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/SyntheticAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/tools/reflect/Reflection.java
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jar/javassist/compiler/SyntaxException.java
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jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/convert/TransformCall.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/CtArray.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/CtPrimitiveType.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-
jar/javassist/bytecode/DeprecatedAttribute.java
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jar/javassist/compiler/SymbolTable.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/expr/Handler.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/BadBytecode.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/Lex.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/rmi/Proxy.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/TransformNew.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/InstructionPrinter.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/analysis/SubroutineScanner.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/CtNewWrappedConstructor.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ExceptionTable.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ProceedHandler.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/expr/NewArray.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/stackmap/MapMaker.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/web/Viewer.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/CannotCreateException.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/KeywordTable.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/Parser.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/Loader.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/expr/Expr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/ClassPoolTail.java
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o libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
http://www.lua.org/
o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
http://www.openssl.org/
o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/
o libsvn. The Subversion library, used by the updater program

On Windows only, Nmap uses:
o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/
Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/BSD-simplified.

Zenmap and Ndiff require:
- Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
  - [http://www.python.org/](http://www.python.org/)

The Windows and Mac OS X binary packages include bundled versions of:
- GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
  - [http://www.gtk.org/](http://www.gtk.org/)
- Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
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- libgailutil: Accessibility support for GTK+.
- libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.
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- fontconfig: font configuration library.
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  - [http://xmlsoft.org/](http://xmlsoft.org/)
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The Mac OS binary packages also include:
- Various X.org libraries. These were built using MacPorts.

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Email local part: ph10
Email domain:     cam.ac.uk

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2006-Jan-27

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1.24 logstash-input-udp 3.3.4

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include/freetype/internal/fhash.h
#
src/base/fhash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
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# EOF
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include/GL/gl.h :

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The End

1.41 ubuntu-keyring 2018.09.18.1~18.04.0
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<michael.vogt@canonical.com>

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/**
 * [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer
 * reference through WebSphere's proprietary [@code AdminServiceFactory] API,
 * available on WebSphere 5.1 and higher.
 *<p>Exposes the [@code MBeanServer] for bean references.
 * This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *<p>See the javadocs for WebSphere's
 *<p>@author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2.jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
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/**
 * Indicates that a component is only eligible for registration when all
 * [@linkplain #value specified conditions] match.
 *
 * A <em>condition</em> is any state that can be determined programatically
 * before the bean definition is due to be registered (see [@link Condition] for details).
 *
 * The [@code @Conditional] annotation may be used in any of the following ways:
 * <ul>
 * <li>as a type-level annotation on any class directly or indirectly annotated with
 * [@code @Component], including [@link Configuration @Configuration] classes</li>
 * <li>as a meta-annotation, for the purpose of composing custom stereotype
 * annotations</li>
 * <li>as a method-level annotation on any [@link Bean @Bean] method</li>
 * </ul>
 *
 * If a [@code @Configuration] class is marked with [@code @Conditional],
 * all of the [@code @Bean] methods, [@link Import @Import] annotations, and
 * [@link ComponentScan @ComponentScan] annotations associated with that
 * class will be subject to the conditions.
 *
 * Inheritance of [@code @Conditional] annotations
 * is not supported; any conditions from superclasses or from overridden
 * methods will not be considered. In order to enforce these semantics,
 * [@code @Conditional] itself is not declared as
 * [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
 * custom <em>composed annotation</em> that is meta-annotated with
 * [@code @Conditional] must not be declared as [@code @Inherited].
 *
 * @author Phillip Webb
 * @author Sam Brannen
 * @since 4.0
 * @see Condition
 */

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/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/cache/config/CacheAdviceParser.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/jndi/JndiLocatorSupport.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/scheduling/annotation/AsyncResult.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/cache/annotation/CacheAnnotationParser.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/context/expression/MethodBasedEvaluationContext.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-

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jar/org/springframework/scripting/bsh/BshScriptUtils.java
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
jar/org/springframework/context/support/MBeanServerBeanDefinitionParser.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
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jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
jar/org/springframework/context/annotation/DependsOn.java
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* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-jar/org/springframework/context/annotation/ImportAware.java
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jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
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jar/org/springframework/ui/ModelExtensions.kt
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
jar/org/springframework/ui/ModelMapExtensions.kt

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  jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1136265369_1613724369.79/0/spring-context-5-1-8-release-sources-2-
  jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
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1.62 jackson-dataformat-yaml 2.9.9
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* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/contexts/DocumentationContextBuilder.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/service/PathDecorator.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/service/ApiListingBuilderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/OperationModelsProviderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/contexts/ApiSelector.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/schema/TypeNameProviderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/contexts/DocumentationContext.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/service/PathAdjuster.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/ParameterBuilderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/schema/AlternateTypeProvider.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/OperationBuilderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/schema/EnumTypeDeterminer.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/service/contexts/Defaults.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/ExpandedParameterBuilderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/OperationBuilderPlugin.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/schema/EnumTypeDeterminer.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/service/contexts/PathContext.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/service/contexts/PathContext.java
* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-
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* /opt/cola/permits/1177939641_1625570672.78/0/springfox-spi-2-9-2-sources-3-jar/springfox/documentation/spi/schema/SyntheticModelProviderPlugin.java
1.69 cpp 4.8.5 39.el7

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:
More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Buzzaile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dossor (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@het.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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Version 2.1, February 1999
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* m4/ax_func_which_gethostbyname_r.m4

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Version 3.1, 31 March 2009

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1.73 springfox-swagger-ui 2.9.2

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---

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

---

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
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1.77 dash 0.5.7-4+b1

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  jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
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jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/framework/ProxyMethodInvocation.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/aopalliance/intercept/Interceptor.java
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jar/org/springframework/aop/BeforeAdvice.java
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jar/org/springframework/aop/framework/AdvisedSupportListener.java
* /opt/cola/permits/1135880320_1613624061.18/0/spring-aop-5-2-7-release-sources-1-
jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
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jar/org/springframework/aop/framework/AopInfrastructureBean.java
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Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was
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Equivalent code is available from RSA Data Security, Inc.
This code has been tested against that, and is equivalent,
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To compute the message digest of a chunk of bytes, declare an
MD5Context structure, pass it to MD5Init, call MD5Update as
needed on buffers full of bytes, and then call MD5Final, which
will fill a supplied 16-byte array with the digest.

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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the
entire buildsystem we had. And he did this out of his own pocket, from
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48 core machine, with 4 SSD's and 4 sata disks ; but the key metric is
that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver
CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix,
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The Red Hat developers, without whom CentOS would look very different

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<one line to give the program's name and a brief idea of what it does.>
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Version 2.1, February 1999

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

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

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

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

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

    Gnomovision version 69, Copyright (C) 19xx name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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    under certain conditions; type `show c' for details.

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

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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

That's all there is to it!

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1.86 json 2.2.0

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*/

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/ext/json/ext/generator/generator.c
No license file was found, but licenses were detected in source scan.

/*
* This code is copyrighted work by Daniel Luz <dev at mernen dot com>.
*
* Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt
*/

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Parser.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/RuntimeInfo.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/OptionsReader.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Utils.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Generator.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorMethods.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/StringEncoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/ByteListTranscoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorService.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/StringDecoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/ParserService.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorState.java
No license file was found, but licenses were detected in source scan.

Internet Engineering Task Force (IETF) T. Bray, Ed.
Request for Comments: 7159 Google, Inc.
Abstract

JavaScript Object Notation (JSON) is a lightweight, text-based, language-independent data interchange format. It was derived from the ECMAScript Programming Language Standard. JSON defines a small set of formatting rules for the portable representation of structured data.

This document removes inconsistencies with other specifications of JSON, repairs specification errors, and offers experience-based interoperability guidance.

Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 5741.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at http://www.rfc-editor.org/info/rfc7159.
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1. Introduction

JavaScript Object Notation (JSON) is a text format for the serialization of structured data. It is derived from the object literals of JavaScript, as defined in the ECMA-Script Programming Language Standard, Third Edition [ECMA-262].
JSON can represent four primitive types (strings, numbers, booleans, and null) and two structured types (objects and arrays).

A string is a sequence of zero or more Unicode characters [UNICODE]. Note that this citation references the latest version of Unicode rather than a specific release. It is not expected that future changes in the UNICODE specification will impact the syntax of JSON.

An object is an unordered collection of zero or more name/value pairs, where a name is a string and a value is a string, number, boolean, null, object, or array.

An array is an ordered sequence of zero or more values.

---

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The terms "object" and "array" come from the conventions of JavaScript.

JSON's design goals were for it to be minimal, portable, textual, and a subset of JavaScript.

1.1. Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

The grammatical rules in this document are to be interpreted as described in [RFC5234].

1.2. Specifications of JSON

This document updates [RFC4627], which describes JSON and registers the media type "application/json".

A description of JSON in ECMAScript terms appears in Version 5.1 of the ECMAScript specification [ECMA-262], Section 15.12. JSON is also described in [ECMA-404].

All of the specifications of JSON syntax agree on the syntactic elements of the language.
1.3. Introduction to This Revision

In the years since the publication of RFC 4627, JSON has found very wide use. This experience has revealed certain patterns, which, while allowed by its specifications, have caused interoperability problems.

Also, a small number of errata have been reported (see RFC Errata IDs 607 [Err607] and 3607 [Err3607]).

This document's goal is to apply the errata, remove inconsistencies with other specifications of JSON, and highlight practices that can lead to interoperability problems.

2. JSON Grammar

A JSON text is a sequence of tokens. The set of tokens includes six structural characters, strings, numbers, and three literal names.

A JSON text is a serialized value. Note that certain previous specifications of JSON constrained a JSON text to be an object or an array. Implementations that generate only objects or arrays where a JSON text is called for will be interoperable in the sense that all implementations will accept these as conforming JSON texts.

```
JSON-text = ws value ws
```

These are the six structural characters:

```
begin-array = ws %x5B ws ; left square bracket
begin-object = ws %x7B ws ; left curly bracket
end-array = ws %x5D ws ; right square bracket
end-object = ws %x7D ws ; right curly bracket
name-separator = ws %x3A ws ; colon
```
value-separator = ws %x2C ws ; , comma

Insignificant whitespace is allowed before or after any of the six structural characters.

ws = *(  
%20 ; Space 
%09 ; Horizontal tab 
%0A ; Line feed or New line 
%0D ; Carriage return )

3. Values

A JSON value MUST be an object, array, number, or string, or one of the following three literal names:

false null true

The literal names MUST be lowercase. No other literal names are allowed.

value = false / null / true / object / array / number / string

false = %66.61.6c.73.65 ; false

null = %6e.75.6c.6c ; null

true = %74.72.75.65 ; true

4. Objects

An object structure is represented as a pair of curly brackets surrounding zero or more name/value pairs (or members). A name is a string. A single colon comes after each name, separating the name from the value. A single comma separates a value from a following name. The names within an object SHOULD be unique.

object = begin-object [ member *( value-separator member ) ] end-object
member = string name-separator value

An object whose names are all unique is interoperable in the sense that all software implementations receiving that object will agree on the name-value mappings. When the names within an object are not unique, the behavior of software that receives such an object is unpredictable. Many implementations report the last name/value pair only. Other implementations report an error or fail to parse the object, and some implementations report all of the name/value pairs, including duplicates.

JSON parsing libraries have been observed to differ as to whether or not they make the ordering of object members visible to calling software. Implementations whose behavior does not depend on member ordering will be interoperable in the sense that they will not be affected by these differences.

5. Arrays

An array structure is represented as square brackets surrounding zero or more values (or elements). Elements are separated by commas.

darray = begin-array [ value *( value-separator value ) ] end-array

There is no requirement that the values in an array be of the same type.

6. Numbers

The representation of numbers is similar to that used in most programming languages. A number is represented in base 10 using decimal digits. It contains an integer component that may be prefixed with an optional minus sign, which may be followed by a fraction part and/or an exponent part. Leading zeros are not allowed.

A fraction part is a decimal point followed by one or more digits.

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An exponent part begins with the letter E in upper or lower case, which may be followed by a plus or minus sign. The E and optional
Numeric values that cannot be represented in the grammar below (such as Infinity and NaN) are not permitted.

\[
\text{number} = [\text{minus}] \text{int} [\text{frac}] [\text{exp}]
\]

\[
\text{decimal-point} = \%x2E
\]

\[
\text{digit1-9} = \%x31-39
\]

\[
e = \%x65 / \%x45
\]

\[
\text{exp} = e [\text{minus} / \text{plus}] 1^*\text{DIGIT}
\]

\[
\text{frac} = \text{decimal-point} 1^*\text{DIGIT}
\]

\[
\text{int} = \text{zero} / (\text{digit1-9} \ast\text{DIGIT})
\]

\[
\text{minus} = \%x2D
\]

\[
\text{plus} = \%x2B
\]

\[
\text{zero} = \%x30
\]

This specification allows implementations to set limits on the range and precision of numbers accepted. Since software that implements IEEE 754-2008 binary64 (double precision) numbers [IEEE754] is generally available and widely used, good interoperability can be achieved by implementations that expect no more precision or range than these provide, in the sense that implementations will approximate JSON numbers within the expected precision. A JSON number such as 1E400 or 3.141592653589793238462643383279 may indicate potential interoperability problems, since it suggests that the software that created it expects receiving software to have greater capabilities for numeric magnitude and precision than is widely available.

Note that when such software is used, numbers that are integers and are in the range \[-(2^{**53})+1, (2^{**53})-1\] are interoperable in the sense that implementations will agree exactly on their numeric values.
7. Strings

The representation of strings is similar to conventions used in the C family of programming languages. A string begins and ends with quotation marks. All Unicode characters may be placed within the quotation marks, except for the characters that must be escaped: quotation mark, reverse solidus, and the control characters (U+0000 through U+001F).

Any character may be escaped. If the character is in the Basic Multilingual Plane (U+0000 through U+FFFF), then it may be represented as a six-character sequence: a reverse solidus, followed by the lowercase letter u, followed by four hexadecimal digits that encode the character's code point. The hexadecimal letters A though F can be upper or lower case. So, for example, a string containing only a single reverse solidus character may be represented as "\u005C".

Alternatively, there are two-character sequence escape representations of some popular characters. So, for example, a string containing only a single reverse solidus character may be represented more compactly as "\\".

To escape an extended character that is not in the Basic Multilingual Plane, the character is represented as a 12-character sequence, encoding the UTF-16 surrogate pair. So, for example, a string containing only the G clef character (U+1D11E) may be represented as "\uD834\uDD1E".

```
string = quotation-mark *char quotation-mark

char = unescaped /
    escape (%
        x22 /   ; "       quotation mark   U+0022
        x5C /  ; \       reverse solidus U+005C
        x2F /  ; /       solidus      U+002F
        x62 /  ; b       backspace   U+0008
        x66 /  ; f       form feed   U+000C
        x6E /  ; n       line feed   U+000A
        x72 /  ; r       carriage return U+000D
        x74 /  ; t       tab        U+0009
        4HEXDIG ) ; uXXXX   U+XXXX
```
escape = %x5C ; \n
quotation-mark = %x22 ; "

unescaped = %x20-21 / %x23-5B / %x5D-10FFFF

8. String and Character Issues

8.1. Character Encoding

JSON text SHALL be encoded in UTF-8, UTF-16, or UTF-32. The default encoding is UTF-8, and JSON texts that are encoded in UTF-8 are interoperable in the sense that they will be read successfully by the maximum number of implementations; there are many implementations that cannot successfully read texts in other encodings (such as UTF-16 and UTF-32).

Implementations MUST NOT add a byte order mark to the beginning of a JSON text. In the interests of interoperability, implementations that parse JSON texts MAY ignore the presence of a byte order mark rather than treating it as an error.

8.2. Unicode Characters

When all the strings represented in a JSON text are composed entirely of Unicode characters [UNICODE] (however escaped), then that JSON text is interoperable in the sense that all software implementations that parse it will agree on the contents of names and of string values in objects and arrays.

However, the ABNF in this specification allows member names and string values to contain bit sequences that cannot encode Unicode characters; for example, "\uDEAD" (a single unpaired UTF-16 surrogate). Instances of this have been observed, for example, when a library truncates a UTF-16 string without checking whether the truncation split a surrogate pair. The behavior of software that receives JSON texts containing such values is unpredictable; for example, implementations might return different values for the length of a string value or even suffer fatal runtime exceptions.
8.3. String Comparison

Software implementations are typically required to test names of object members for equality. Implementations that transform the textual representation into sequences of Unicode code units and then perform the comparison numerically, code unit by code unit, are interoperable in the sense that implementations will agree in all cases on equality or inequality of two strings. For example, implementations that compare strings with escaped characters unconverted may incorrectly find that "a\b" and "a\u005Cb" are not equal.

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9. Parsers

A JSON parser transforms a JSON text into another representation. A JSON parser MUST accept all texts that conform to the JSON grammar. A JSON parser MAY accept non-JSON forms or extensions.

An implementation may set limits on the size of texts that it accepts. An implementation may set limits on the maximum depth of nesting. An implementation may set limits on the range and precision of numbers. An implementation may set limits on the length and character contents of strings.

10. Generators

A JSON generator produces JSON text. The resulting text MUST strictly conform to the JSON grammar.

11. IANA Considerations

The MIME media type for JSON text is application/json.

Type name: application

Subtype name: json

Required parameters: n/a
Optional parameters: n/a

Encoding considerations: binary

Security considerations: See [RFC7159], Section 12.

Interoperability considerations: Described in [RFC7159]

Published specification: [RFC7159]

Applications that use this media type:
JSON has been used to exchange data between applications written in all of these programming languages: ActionScript, C, C#, Clojure, ColdFusion, Common Lisp, E, Erlang, Go, Java, JavaScript, Lua, Objective CAML, Perl, PHP, Python, Rebol, Ruby, Scala, and Scheme.

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Additional information:
Magic number(s): n/a
File extension(s): .json
Macintosh file type code(s): TEXT

Person & email address to contact for further information:
IESG
<iesg@ietf.org>

Intended usage: COMMON

Restrictions on usage: none

Author:
Douglas Crockford
<douglas@crockford.com>

Change controller:
12. Security Considerations

Generally, there are security issues with scripting languages. JSON is a subset of JavaScript but excludes assignment and invocation.

Since JSON's syntax is borrowed from JavaScript, it is possible to use that language's "eval()" function to parse JSON texts. This generally constitutes an unacceptable security risk, since the text could contain executable code along with data declarations. The same consideration applies to the use of eval()-like functions in any other programming language in which JSON texts conform to that language's syntax.

13. Examples

This is a JSON object:

```json
{
  "Image": {
    "Width": 800,
    "Height": 600,
    "Title": "View from 15th Floor",
    "Thumbnail": {
```

Its Image member is an object whose Thumbnail member is an object and whose IDs member is an array of numbers.

This is a JSON array containing two objects:

```json
[
{
  "precision": "zip",
  "Latitude": 37.7668,
  "Longitude": -122.3959,
  "Address": "",
  "City": "SAN FRANCISCO",
  "State": "CA",
  "Zip": "94107",
  "Country": "US"
},
{
  "precision": "zip",
  "Latitude": 37.371991,
  "Longitude": -122.026020,
  "Address": "",
  "City": "SUNNYVALE",
  "State": "CA",
  "Zip": "94085",
  "Country": "US"
}
]
```

Here are three small JSON texts containing only values:
"Hello world!"

42

true

14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

15. References

15.1. Normative References


15.2. Informative References


[Err607] RFC Errata, Errata ID 607, RFC 607,

[RFC4627] Crockford, D., "The application/json Media Type for
  JavaScript Object Notation (JSON)", RFC 4627, July 2006.
Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.

- Changed the title and abstract of the document.
- Changed the reference to [UNICODE] to be not version specific.
- Added a "Specifications of JSON" section.
- Added an "Introduction to This Revision" section.
- Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- Added language about duplicate object member names, member ordering, and interoperability.
- Clarified the absence of a requirement that values in an array be of the same JSON type.
- Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- Changed "as sequences of digits" to "in the grammar below" in the "Numbers" section, and made base-10-ness explicit.
- Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.
- Added language about interoperability and Unicode characters and about string comparisons. To do this, turned the old "Encoding" section into a "String and Character Issues" section, with three
subsections: "Character Encoding", "Unicode Characters", and "String Comparison".

- Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.

- Updated and tidied the "IANA Considerations" section.

- Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.

- Applied erratum #3607 from RFC 4627 by removing the security consideration that begins "A JSON text can be safely passed" and the JavaScript code that went with that consideration.

- Added a note to the "Security Considerations" section pointing out the risks of using the "eval()" function in JavaScript or any other language in which JSON texts conform to that language's syntax.

- Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.

- Changed "100" to 100 and added a boolean field, both in the first example.

- Added examples of JSON texts with simple values, neither objects nor arrays.

- Added a "Contributors" section crediting Douglas Crockford.

- Added a reference to RFC 4627.

- Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.
# Changes

## 2019-02-21 (2.2.0)
* Adds support for 2.6 BigDecimal and ruby standard library Set datatype.

## 2017-04-18 (2.1.0)
* Allow passing of `decimal_class` option to specify a class as which to parse JSON float numbers.

## 2017-03-23 (2.0.4)
* Raise exception for incomplete unicode surrogates/character escape sequences. This problem was reported by Daniel Gollahon (dgollahon).
* Fix arbitrary heap exposure problem. This problem was reported by Ahmad Sherif (ahmadsherif).

## 2017-01-12 (2.0.3)
* Set `required_ruby_version` to 1.9
* Some small fixes

## 2016-07-26 (2.0.2)
* Specify `required_ruby_version` for json\_pure.
* Fix issue #295 failure when parsing frozen strings.

## 2016-07-01 (2.0.1)
* Fix problem when requiring json\_pure and Parser constant was defined top level.
* Add `RB_GC_GUARD` to avoid possible GC problem via Pete Johns.
* Store `current_nesting` on stack by Aaron Patterson.

## 2015-09-11 (2.0.0)
* Now complies to newest JSON RFC 7159.
* Implements compatibility to ruby 2.4 integer unification.
* Drops support for old rubies whose life has ended, that is rubies < 2.0. Also see https://www.ruby-lang.org/en/news/2014/07/01/eol-for-1-8-7-and-1-9-2/
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation. I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.

## 2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of `JSON.dump_default_options`.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing `space_before` accessor in generator.
* Performance on JRuby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

## 2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

## 2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to `JSON::GenericObject` to make
serialize :some_attribute, `JSON::GenericObject`

work in Rails active models for convenient `SomeModel#some_attribute.foo.bar` access to serialised JSON data.

### 2013-02-04 (1.7.7)
- Security fix for JSON create_additions default value and `JSON::GenericObject`. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If `JSON::GenericObject` is supposed to be automatically deserialised, this has to be explicitly enabled by setting
  
  JSON::GenericObject.json_creatable = true

as well.
- Remove useless assert in fbuffer implementation.
- Apply patch attached to https://github.com/flori/json/issues#issue/155 provided by John Shahid <jvshahid@gmail.com>, Thx!
- Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>. Thx!
- Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

### 2012-11-29 (1.7.6)
- Add `GeneratorState#merge` alias for JRuby, fix state accessor methods. Thx to jvshahid@github.
- Increase hash likeness of state objects.

### 2012-08-17 (1.7.5)
- Fix compilation of extension on older rubies.

### 2012-07-26 (1.7.4)
- Fix compilation problem on AIX, see https://github.com/flori/json/issues/142

### 2012-05-12 (1.7.3)
- Work around Rubinius encoding issues using iconv for conversion instead.

### 2012-05-11 (1.7.2)
- Fix some encoding issues, that cause problems for the pure and the extension variant in jruby 1.9 mode.

### 2012-04-28 (1.7.1)
- Some small fixes for building

### 2012-04-28 (1.7.0)
- Add `JSON::GenericObject` for method access to objects transmitted via JSON.

### 2012-04-27 (1.6.7)
- Fix possible crash when trying to parse nil value.

### 2012-02-11 (1.6.6)
- Propagate src encoding to values made from it (fixes 1.9 mode converting
everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo <tom.enebo@gmail.com>), should fix
* Fix https://github.com/flori/json/issues#issue/117

## 2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using
optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda
<bkabrda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and
developing a patch fix.

## 2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter
<headius@headius.com>.
* Support `object_class`/`array_class` with duck typed hash/array.

## 2011-12-01 (1.6.3)
* Let `JSON.load('')` return nil as well to make mysql text columns (default to
`''`) work better for serialization.

## 2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in `quirks_mode`.
* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize
method. Just use:
  `serialize :value, JSON`
* Fix bug with time serialization concerning nanoseconds. Thanks for the
patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to
what Evan Phoenix <evan@phx.io> suggested in:
https://github.com/flori/json/pull/103

## 2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.

## 2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.

## 2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by
jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem
reported in https://github.com/flori/json/issues/46.
* Add `quirks_mode` option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex
and json/add/rational requires.
## 2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add `as_json` methods in json/add/core, so rails can create its json objects the new way.

## 2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gemspecs for json and json\_pure.
* Fix bug in jruby pretty printing.
* Fix bug in `object_class` and `array_class` when inheriting from Hash or Array.

## 2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues/issue/54.

## 2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
* Output full exception message of `deep_const_get` to aid debugging.
* Fixed an issue with ruby 1.9 `Module#const_defined?` method, that was reported by Riley Goodside.

## 2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

## 2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with `to_json` method definitions that only have one argument.
* Some fixes in the state objects and additional tests.

## 2010-08-06 (1.4.4)

## 2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by electronicwhisper@github. Thx!

## 2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of json\_pure if extension task is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory leak, which is fixed in this release.
* Applied 993f261ccb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

## 2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM being different on 32bit/64bit architectures.

## 2010-04-23 (1.4.0)
* Major speed improvements and building with simplified directory/file-structure.
* Extension should at least be compatible with MRI, YARV and Rubinius.

## 2010-04-07 (1.2.4)
* Trigger const_missing callback to make Rails' dynamic class loading work.

## 2010-03-11 (1.2.3)
* Added a `State#[]` method which returns an attribute's value in order to increase duck type compatibility to Hash.

## 2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible to Rubinius.

## 2009-11-25 (1.2.1)
* Added `:symbolize_names` option to Parser, which returns symbols instead of strings in object names/keys.

## 2009-10-01 (1.2.0)
* `fast_generate` now raises an exception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation

## 2009-08-23 (1.1.9)
* Added forgotten main doc file `extra_rdoc_files`.

## 2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
* Finally got around to avoid the rather paranoid escaping of `?/` characters in the generator's output. The parsers aren't affected by this change.
Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.
## 2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue. Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.
* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

## 2009-05-10 (1.1.6)
* No changes. tested native linux gems in the last release and they don't play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the native gem on rubyforge.

## 2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

## 2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby 1.9.
* Improved speed of the code path for the fast_generate method in the pure variant.

## 2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to_s returns them as an integer not a fraction with '/'. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.

## 2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data
while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

## 2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.
*Introduced a `JSON.parse!' method without depth checking for people who like danger.
* Made generate and `pretty_generate` methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.
* Implemented the `max_nesting` feature for generate methods, too.
* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

## 2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.
* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by `\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.

## 2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading of the binary.
## 2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

## 2007-03-24 (1.0.2)
* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

## 2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

## 2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

## 2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object `{ ... }` or array `"[ ... ]"` in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (`[ \t\r\n\u0008]`), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases `generate` and `pretty_generate` of `unparse` and `pretty_unparse`.
* Fixed a test case.
* Catch an `Iconv::InvalidEncoding` exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (/ characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

## 2005-09-23 (0.4.0)
* Initial Rubyforge Version

Found in path(s):
* `/opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/CHANGES.md`
No license file was found, but licenses were detected in source scan.

* Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt

Found in path(s):
1.87 gnutls 3.6.7-4+deb10u6
1.87.1 Available under license:

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#
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# Jackson JSON processor

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

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* /opt/cola/permits/1136061435_1613670291.82/0/jmespath-java-1-11-415-sources-1-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.97 gojsonpointer v0.19.5
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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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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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1.104 junit 4.12

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# Jackson JSON processor

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javax.servlet;javax.servlet-api
javax.servlet.jsp;javax.servlet.jsp-api

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

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.116 pam 1.1.8-3.6ubuntu2.18.04.3

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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')
+    {
+        struct 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

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.117 spring-web-mvc 5.2.7.RELEASE

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     jar/org/springframework/web/servlet/handler/RequestMatchResult.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
     jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
     jar/org/springframework/web/servlet/mvc/condition/RequestCondition.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
     jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
     jar/org/springframework/web/servlet/view/ViewResolverComposite.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
     jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
   * /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
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 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via {@link RequestContext#getRequestDataValueProcessor()}.  
 *
 * @author Rossen Stoyanchev
 * @since 3.1  
 */

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* /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
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* /opt/cola/permits/1135880214_1613624081.79/0/spring-webmvc-5-2-7-release-sources-2-
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jar/org/springframework/web/servlet/config/annotation/ResourceChainRegistration.java
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XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

- The XSLT Source object is supplied as a parameter in the model and then detected during response rendering. Users can either specify a specific entry in the model via the `setSourceKey` property or have Spring locate the Source object. This class also provides basic conversion of objects into Source implementations. See `getSourceTypes()` for more details.

- All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure `setOutputProperties` to be passed to the Transformer.

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1.122 libmodule-pluggable-perl 5.1-1

1.123 cabin 0.9.0

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1.124 rx-netty-contexts 0.4.9

1.125 util-linux 2.23.2 63.el7
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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start   End    Blocks   Id  System
-------------------

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

        Device  Boot   Start     End     Blocks   Id  System
       __ts_dev__1        2048    4095     1024   83  Linux

Create 2st primary partition
1bebf87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

        Device  Boot   Start     End     Blocks   Id  System
       __ts_dev__1        2048    4095     1024   83  Linux
       __ts_dev__2        4096   20479     8192   a5  FreeBSD

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout---------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#   start  end    size   fstype [fsize bsize cpg]
c:  4096  20479   16384   unused    0  0
`d: 0 16064 16065 unused 0 0`

**BSD disklabel command (m for help):**

```
Command (m for help):
-------------------
```

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

**BSD disklabel command (m for help):**

4 partitions:
```
#    start  end    size     fstype  [fsize bsize  cpg]
a:  4096  6144    2049    4.2BSD     0  0  0
c:  4096 20479  16384    unused     0  0
```

**BSD disklabel command (m for help):**

Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

**BSD disklabel command (m for help):**

```
0  unused   5  4.1BSD   9  4.4LFS   d  boot
1  swap   6  Eighth Edition  a  unknown  e  ADOS
2  Version 6  7  4.2BSD  b  HPFS  f  HFS
3  Version 7  8  MS-DOS  c  ISO-9660  10  AdvFS
```

**BSD disklabel command (m for help):**

1.126 antlr-runtime 4.5.3
1.127 etcd-raft v3.5.0-alpha.0

1.127.1 Available under license:

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1.128 jackson-xc 2.11.0

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

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

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

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

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

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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
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b) Use a suitable shared library mechanism for linking with the
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1.133 which 2.20 7.el7
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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tomb - support for clean goroutine termination in Go.

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1.138 bash 4.2.46 34.el7

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@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Written with Symantec’s THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
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* /opt/ws_local/PERMITS_SQL/1068412523_1594396285.89/0/spring-webmvc-5-2-5-release-sources-1-
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure { @link #setOutputProperties output properties }
* to be passed to the Transformer.
* 
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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1.153 jackson-jaxrs 2.9.9

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# Jackson JSON processor

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### 1.154 jsr305 1.3.9

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1.156 logstash-input-file 4.1.10

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1.157 netflix-infix 0.3.0

1.158 nettle 2.7.1-5+deb8u2
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</pre>

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## jQuery v3.5.1

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produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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

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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
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  jar/io/netty/handler/ssl/OpenSslTlsTv13x509ExtendedTrustManager.java
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  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
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  jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
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  jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/SslUtils.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4.jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4.jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
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* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
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  jar/io/netty/handler/ssl/ApplicationProtocolNames.java
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  jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1177956799_1625584593.27/0/netty-handler-4-1-48-final-sources-4-
  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
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jar/io/netty/handler/stream/ChunkedInput.java
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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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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@import './layout';
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Protocol Buffers for Go with Gadgets

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Go support for Protocol Buffers - Google's data interchange format

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The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

# License - Operator HTTP API

-> **Enterprise Only!** This API endpoint and functionality only exists in Consul Enterprise. This is not present in the open source version of Consul.

The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```
$ curl http://127.0.0.1:8500/v1/operator/license
```
### Sample Response

```json
{
    "Valid": true,
    "License": {
        "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
        "customer_id": "0259271d-8ffe-e85e-c0822c1f5f2b",
        "installation_id": "*",
        "issue_time": "2018-05-21T20:03:35.911567355Z",
        "start_time": "2018-05-21T04:00:00Z",
        "expiration_time": "2019-05-22T03:59:59.999Z",
        "product": "consul",
        "flags": {
            "package": "premium"
        },
        "features": [
            "Automated Backups",
            "Automated Upgrades",
            "Enhanced Read Scalability",
            "Network Segments",
            "Redundancy Zone",
            "Advanced Network Federation"
        ],
        "temporary": false
    },
    "Warnings": []
}
```  

## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td>------</td>
<td>----------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
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<th>Blocking Queries</th>
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</tr>
</thead>
<tbody>
<tr>
<td>----------------</td>
<td>-----------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```
$ curl \
  --request PUT \
  --data @consul.license \n  http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "=",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  },
  "Warnings": []
}
```
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>>> docker_go-events-a3e3b613fbfdddb0555a79e3ce271e283eca
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>>> airbrake_gobrake_v2-c9d51adec624b5ce4c1bf8de730a09af4878ffe2d
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>> d2g_dhcp4client-master
>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8ceb989a38d
>> hashicorp_memberlist-cef12ad58224d55cf26caa9e3d239e2fcb3432a2

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>>> pcre-8.41-1.ph2
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>>> shadow-4.2.1-16.ph2
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>>> sudo-1.8.20p2-5.ph2
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>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
>>> kmod-24-3.ph2
>>> libgcrypt-1.8.1-2.ph2
>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> ca-certificates-20180919-1.ph2
>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2

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spec-e072eb2390d3a03736a6eb617d30f48369160447.tar.gz/spec-e072eb2390d3a03736a6eb617d30f48369160447.tar/spec-e072eb2390d3a03736a6eb617d30f48369160447/fixtures/expansion\invalid-refs.json

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spec-e072eb2390d3a03736a6eb617d30f48369160447.tar.gz/spec-e072eb2390d3a03736a6eb617d30f48369160447.tar/spec-e072eb2390d3a03736a6eb617d30f48369160447/fixtures/expansion\all-the-things.json

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>>> go-openapi_strfmt-0cb3db44c13bad3b3f567b762a66751972a310cc

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Go support for leveled logs, analogous to https://code.google.com/p/golang-glog

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>>> boltdb_bolt-b514920f8f2e0a68f857e5a12c774f385a59aef9

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0f2f65ef3

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> gizak_termui-798ff9ebbe4073ef1f88e6069ca4a2c6aa6676b

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>>> go-martini/martini-22fa46961aabd2665cf13f1343b146d20028f5071

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Go-nfs-client version 0.1

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>>> godbus_dbus-230e4b23db2fd81c53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7/vanity/test/proto3.proto

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tomb - support for clean goroutine termination in Go.

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>>> x_net_lex_httplex-a6577fac2d73be281a500b310739095313165611

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```python
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```

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+build appengine

package short implements a simple URL shortener, serving an administrative
interface at /s and shortened urls from /s/key.
It is designed to run only on the instance of godoc that serves golang.org.

package short

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

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
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lib/gssapi/mechglue/g_dsp_name.c
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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_spnego.h

and the initial implementation of incremental propagation, including
the following new or changed files:

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

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Tim Kientzle, February 2009.

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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Bison implementation for Yacc-like parsers in C


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```bash
-- vile: txtmode file-encoding=utf-8

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@version 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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chkconfig:   2345 11 89
description: sets up CBQ-based traffic control

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include\linux\can.h

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW’s ttl target
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SYN signatures. Those signatures work for SYN packets only (duh!).

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>>> linux-esx-4.9.154-1.ph2

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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

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Reasonably optimised generic C-code for memcpy on Microblaze
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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ HAVE to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk
Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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Bison interface for Yacc-like parsers in C


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bash-4.4.tar.gz/bash-4.4.tar/bash-4.4/support/mkinstalldirs

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/ Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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Markus Kuhn -- 2007-05-26 (Unicode 5.0)

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kmod-24.tar.xz\kmod-24.tar\kmod-24\tools\rmmod.c

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Heavily modified for GnuPG by Werner Koch

/ This module is part of the cryptlib continuously seeded pseudorandom
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DRBG: Deterministic Random Bits Generator

Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:

- CTR DRBG with DF with AES-128, AES-192, AES-256 cores
- Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
- HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
  with and without prediction resistance

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Test Socket Type

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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b) Use a suitable shared library mechanism for linking with the
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Version 3, 29 June 2007

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Version 1.1 - 26 February 2007
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MAINTENANCE OF THE WORK
=========================
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The Work has the status `maintained' if there is a Current Maintainer who has indicated in the Work that they are willing to receive error reports for the Work (for example, by supplying a valid e-mail address). It is not required for the Current Maintainer to acknowledge or act upon these error reports.

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You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

If the Work is unmaintained, you can become the Current Maintainer of the Work through the following steps:

1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright Holder, if the two differ) through the means of an Internet or similar search.

2. If this search is successful, then enquire whether the Work is still maintained.

a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.

b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then
announce within the pertinent community your intention to take over maintenance. (If the Work is a LaTeX work, this could be done, for example, by posting to comp.text.tex.)

3a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement. 

b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.

4. If you make an `intention announcement’ as described in 2b. above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.

5. If the previously unreachable Current Maintainer becomes reachable once more within three months of a change completed under the terms of 3b) or 4), then that Current Maintainer must become or remain the Current Maintainer upon request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the Work is distributed under the LPPL license.

If you become the Current Maintainer of the Work, you should immediately provide, within the Work, a prominent and unambiguous statement of your status as Current Maintainer. You should also announce your new status to the same pertinent community as in 2b) above.

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-----------------------------------------------------

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This work has the LPPL maintenance status "maintained".

The Current Maintainer of this work is M. Y. Name.

This work consists of the files pig.dtx and pig.ins
and the derived file pig.sty.

Given such a notice and statement in a file, the conditions given in this license document would apply, with the
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If you do not want the Maintenance section of LPPL to apply to your Work, change 'maintained' above into 'author-
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ensure that your Work remains useful to the community even when you can no longer maintain and support it
yourself.

Derived Works That Are Not Replacements
----------------------------------------

Several clauses of the LPPL specify means to provide reliability and stability for the user community. They therefore concern themselves with the case that a Derived Work is intended to be used as a (compatible or incompatible) replacement of the original Work. If this is not the case (e.g., if a few lines of code are reused for a completely different task), then clauses 6b and 6d shall not apply.

Important Recommendations
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Defining What Constitutes the Work

The LPPL requires that distributions of the Work contain all the files of the Work. It is therefore important that you provide a way for the licensee to determine which files constitute the Work. This could, for example, be achieved by explicitly listing all the files of the Work near the copyright notice of each file or by using a line such as:

This work consists of all files listed in manifest.txt.

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type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

    // no documentation yet
    AccountId *int `json:"accountId,omitempyt" xmlrpc:"accountId,omitempyt"

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempyt" xmlrpc:"enabledFlag,omitempyt"

    // no documentation yet
    Id *int `json:"id,omitempyt" xmlrpc:"id,omitempyt"

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempyt" xmlrpc:"type,omitempyt"

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempyt" xmlrpc:"workloadTypeId,omitempyt"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempyt" xmlrpc:"id,omitempyt"

    // no documentation yet
    KeyName *string `json:"keyName,omitempyt" xmlrpc:"keyName,omitempyt"

    // no documentation yet
    Name *string `json:"name,omitempyt" xmlrpc:"name,omitempyt"
}
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RE.java
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1.183 cloudfoundry-util 2.22.0

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  jar/org/cloudfoundry/util/OperationUtils.java
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  jar/org/cloudfoundry/util/LastOperationUtils.java
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  jar/org/cloudfoundry/util/tuple/DelayUtils.java
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* /opt/cola/permits/1023453260_1628324926.23/0/cloudfoundry-util-5-1-0-release-sources-1-
  jar/org/cloudfoundry/util/ByteArrayPool.java
* /opt/cola/permits/1023453260_1628324926.23/0/cloudfoundry-util-5-1-0-release-sources-1-
  jar/org/cloudfoundry/util/tuple/TupleUtils.java
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  jar/org/cloudfoundry/util/tuple/Function7.java
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1.184 http 0.6.4

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1.185 hcl v1.0.0

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1.186 java-jwt 3.4.1

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*/
/**
* A decoder that splits the received [link ByteBuf]s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* [link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* <h3>2 bytes length field at offset 0, do not strip header</h3>
* The value of the length field in this example is \texttt{12 (0x0C)} which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* \texttt{lengthFieldOffset} = \texttt{0}
* \texttt{lengthFieldLength} = \texttt{2}
* \texttt{lengthAdjustment} = 0
* \texttt{initialBytesToStrip} = 0 (= do not strip header)
* </pre>
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*<h3>2 bytes length field at offset 0, strip header</h3>
* Because we can get the length of the content by calling
* [link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying \texttt{initialBytesToStrip}. In this example, we
* specified \texttt{2}, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* \texttt{lengthFieldOffset} = 0
* </pre>
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length | Actual Content | Length | Actual Content |
* | 0x000E | "HELLO, WORLD" | 0x000E | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +-------------------------------+      +-------------------------------+
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.

```
lengthFieldOffset = 0
lengthFieldLength = 3
lengthAdjustment = 2 (= the length of Header 1)
initialBytesToStrip = 0
```

Before decode (17 bytes)  After decode (17 bytes)

```
+----------+----------+----------------+      +----------+----------+----------------+
|  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
| 0x000C   | 0xCAFE   | "HELLO, WORLD" |      | 0x000C   | 0xCAFE   | "HELLO, WORLD" |
+----------+----------+----------------+      +----------+----------+----------------+
```

```
<h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

The prepended header affects the lengthFieldOffset and the extra header affects the lengthAdjustment. We also specified a non-zero initialBytesToStrip to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify initialBytesToSkip for initialBytesToStrip.

```
lengthFieldOffset = 1 (= the length of HDR1)
lengthFieldLength = 2
lengthAdjustment = 1 (= the length of HDR2)
initialBytesToStrip = 3 (= the length of HDR1 + LEN)
```

Before decode (16 bytes)  After decode (13 bytes)

```
+--------+--------+--------+----------------+      +--------+----------------+
| HDR1   | Length | HDR2   | Actual Content |----->| HDR2   | Actual Content |
| 0xCA   | 0x00C  | 0xFE   | "HELLO, WORLD" |      | 0xFE   | "HELLO, WORLD" |
+--------+--------+--------+----------------+      +--------+----------------+
```

```
<h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

The prepended header affects the lengthFieldOffset and the extra header affects the lengthAdjustment. We also specified a non-zero initialBytesToStrip to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify initialBytesToSkip for initialBytesToStrip.

```
lengthFieldOffset = 1 (= the length of HDR1)
lengthFieldLength = 2
lengthAdjustment = 1 (= the length of HDR2)
initialBytesToStrip = 3 (= the length of HDR1 + LEN)
```

Before decode (16 bytes)  After decode (13 bytes)

```
+--------+--------+--------+----------------+      +--------+----------------+
| HDR1   | Length | HDR2   | Actual Content |----->| HDR2   | Actual Content |
| 0xCA   | 0x00C  | 0xFE   | "HELLO, WORLD" |      | 0xFE   | "HELLO, WORLD" |
+--------+--------+--------+----------------+      +--------+----------------+
```

```
<h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+-------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+-------+--------+----------------+      +--------+----------------+
* </pre>
*
* @see LengthFieldPrepender
*/

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* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1.jar/io/netty/handler/codec/protobuf/ProtocolDetectionState.java

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* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/DecoderResult.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/base64/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/CodecException.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/DecoderException.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/CompressorInputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/DeflaterOutputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/Inflater.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/InflaterOutputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/MemoryInput.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/MemoryOutput.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/CompactObjectInputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/unsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/EncoderException.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/CompressorInputStream.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/CompressionException.java
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* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/MessageAggregator.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
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* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-
  jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/ws_local/PERMITS_SQL/1075319108_1596106865.94/0/netty-codec-4-1-35-final-sources-1-
  jar/io/netty/handler/codec/Headers.java

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* 
* The encoding and decoding algorithm in this class has been derived from
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice
That's all there is to it!

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1.200 util-linux 2.23.2 59.el7
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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot  Start  End   Blocks  Id  System
---------  ------  ------  -------  ---  -----
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot  Start  End   Blocks  Id  System
---------  ------  ------  -------  ---  -----
__ts_dev__1  2048  4095  1024   83  Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8ddf51a88a045db233418dd73f7e bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
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<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unused</td>
<td>5 4.1BSD</td>
</tr>
<tr>
<td>1</td>
<td>swap</td>
<td>6 Eighth Edition</td>
</tr>
<tr>
<td>2</td>
<td>Version 6</td>
<td>7 4.2BSD</td>
</tr>
<tr>
<td>3</td>
<td>Version 7</td>
<td>8 MS-DOS</td>
</tr>
<tr>
<td>4</td>
<td>System V</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>4.4LFS</td>
<td>d boot</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>10 AdvFS</td>
</tr>
<tr>
<td>7</td>
<td>4.4LFS</td>
<td>e ADOS</td>
</tr>
<tr>
<td>8</td>
<td>MS-DOS</td>
<td>c ISO-9660</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>f HFS</td>
</tr>
</tbody>
</table>

BSD disklabel command (m for help):

1.201 gdbm 1.8.3-13.1
1.201.1 Available under license:

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Version 2, June 1991

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It was downloaded from ftp://ftp.gnu.org/gnu/findutils

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

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

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*/
/*
* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
* which contained the following notice:
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/LongAdder.java
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 */
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
 *
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 */

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/EmptyImmutableSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/ImmutableList.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/AtomicReferenceArray.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/reflect/Parameter.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SortedMultisetBridge.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/StandardSystemProperty.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/AbstractMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteArrayDataOutput.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/SingletonImmutableList.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/JdkFutureAdapters.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/AbstractListMultimap.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/ImmutableList.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/io/OutputSupplier.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/EmptyImmutableSet.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSortedMultiset.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/BloomFilterStrategies.java

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jar/com/google/common/collect/ImmutableSortedAsList.java
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jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
jar/com/google/common/collect/DenseImmutableTable.java
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* As of 2010/06/11, this method is identical to the (package private) hash
* method in OpenJDK 7's java.util.HashMap class.
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  jar/com/google/common/io/BaseEncoding.java
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  jar/com/google/common/collection/FilteredKeyMultimap.java
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 * /

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* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/PercentileIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/AtomicHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/ZigZagEncoding.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/ShortCountsHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/EncodableHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/DoubleHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Histogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/HistogramLogProcessor.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/HistogramIterationValue.java
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jar/org/HdrHistogram/DoubleLinearIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/HistogramLogReader.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/LinearIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/DoublePercentileIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/DoubleAllValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/IntCountsHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/Version.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/ConcurrentHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/DoubleRecorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/AbstractHistogramLogReader.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/Recorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/DoubleHistogramIterationValue.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/RecordedValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/AllValuesIterator.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/SingleWriterDoubleRecorder.java
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8.jar/org/HdrHistogram/ConcurrentDoubleHistogram.java

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 *
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 */
package org.HdrHistogram;

final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIME$";
}

Found in path(s):
* /opt/cola/permits/1147135715_1616895476.95/0/hdrhistogram-2-1-9-sources-8-jar/org/HdrHistogram/Version.java.template

1.225 asm-tree 5.0.4
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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.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/util/Textifier.java
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  jar/org/objectweb/asm/tree/LdcInsnNode.java
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*/
/**
   * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
   * not use this constructor</i>. Instead, they must use the
   * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
   * version.
   *
   * @param typeRef
   *     a reference to the annotated type. See {@link TypeReference}.
   * @param typePath
   *     the path to the annotated type argument, wildcard bound, array
   *     element type, or static inner type within 'typeRef'. May be
   *     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
   * @param start
   *     the fist instructions corresponding to the continuous ranges
   *     that make the scope of this local variable (inclusive).
   * @param end
   *     the last instructions corresponding to the continuous ranges
   *     that make the scope of this local variable (exclusive). This
   *     array must have the same size as the 'start' array.
   * @param index
   *     the local variable's index in each range. This array must have
   *     the same size as the 'start' array.
   * @param desc
   *     the class descriptor of the annotation class.
   */

Found in path(s):
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-
  jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/TypePath.java

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*/
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see{@link Type Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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*/

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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 <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see {@link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * {
 * @link Type#getInternalName() getInternalName
 * }). May be
* <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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 * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link #GeneratorAdapter(int, MethodVisitor, int, String, String) ]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [ @link Opcodes ]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [ @link Type Type ]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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notice like this when it starts in an interactive mode:

@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
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DRuntime: Runtime Library for the D Programming Language
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- xz, xzdec, and lzmadec command line tools are in the public domain unless GNU getopt_long had to be compiled and linked in from the lib directory. The getopt_long code is under GNU LGPLv2.1+.

- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.

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- Translated messages are in the public domain.

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

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

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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
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along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end smallexample

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

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

@example
Gnomovision version 69, Copyright (C) @var{year} @var{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.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than @samp{show w} and
@samp{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:

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

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
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Public License instead of this License.

The gettext-runtime package is partially under the LGPL and partially under
the GPL.

The following parts are under the LGPL, see file intl/COPYING.LIB:
- the libintl and libasprintf libraries and their header files,
- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

The following parts are under the GPL, see file COPYING in the toplevel directory:
- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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

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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
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5. A program that contains no derivative of any portion of the
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linked with it, is called a "work that uses the Library". Such a
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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

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

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

That's all there is to it!

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1.242 jdk-zulu 8.38.0.13

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1.244 libxau 1.0.8-1

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1.245 jackson-module-afterburner 2.11.0

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1.252 spring-boot-starter-validation

2.2.6.RELEASE

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1.253 libalgorithm-c3-perl 0.09-1

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1.255 classmate 1.4.0
1.255.1 Available under license:
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Other developers who have contributed code are:

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1.256 jsr305 3.0.2

1.257 spring-boot 2.2.6.RELEASE
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* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/diagnostics/FailureAnalysis.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/context/config/FilteredPropertySource.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindingPostProcessorRegistrar.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/web/server/WebServerFactory.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/web/server/ErrorPageRegistrar.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/diagnostics/OriginLookup.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/logging/logback/LogbackConfigurator.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/logging/logback/LogbackConfigurer.java
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* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
jar/org/springframework/boot/context/properties/source/InvalidConfigurationPropertyValueException.java
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jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindingPostProcessorRegistrar.java
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jar/org/springframework/boot/web/server/WebServerFactory.java
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jar/org/springframework/boot/web/server/ErrorPageRegistrar.java
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jar/org/springframework/boot/diagnostics/OriginLookup.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-
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 */

//
* A { @link WebApplicationContext } that can be used to bootstrap itself from a contained
* [@link ServletWebServerFactory] bean.
* `<p>`
* This context will create, initialize and run an [@link WebServer] by searching for a
* single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
* itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* `<p>`
* In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* `<p>`
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* `<p>`
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* `<p>`
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
* /

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* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-jar/org/springframework/boot/system/ApplicationHome.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-jar/org/springframework/boot/system/JavaVersion.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-jar/org/springframework/boot/web/embedded/netty/SslServerCustomizer.java
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* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-jar/org/springframework/boot/context/properties/bind/handler/NoUnboundElementsBindHandler.java
* /opt/cola/permits/1136290171_1613729646.62/0/spring-boot-2-2-6-release-sources-1-jar/org/springframework/boot/context/properties/bind/DataObjectPropertyName.java
1.258 twitter 5.15.0

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1.259 go-msgpack v0.5.5

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1.261 selinux 2.3-2

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

1.262 jitescript 0.4.1

1.263 backport 3.15.0
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

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Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show

c'; they could even be mouse-clicks or menu items--whatever suits your

program.

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

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

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

That's all there is to it!

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The End

#!perl
NAME
copyright.t

DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;
sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>
    my ($year) = $copyright_msg =~ /.*\b\d\d\d\d\b/; or die "Year not found in README copyright message '$copyright_msg'";
    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 19\d\d\d\d.*\b\d\d\d\d\b/; or die "Copyright statement not found in perl -v output '$output'";
    $year;
}

1.265 curl 7.29.0 51.el7
1.265.1 Available under license :
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I am not a lawyer and this is not legal advice!

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libcurl http://curl.haxx.se/docs/copyright.html

Uses an MIT (or Modified BSD)-style license that is as liberal as possible. Some of the source files that deal with KRB4 have Original BSD-style announce-clause licenses. You may not distribute binaries with krb4-enabled libcurl that also link with GPL-licensed code!

OpenSSL http://www.openssl.org/source/license.html

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GnuTLS http://www.gnutls.org/

(May be used for SSL/TLS support) Uses the LGPL[3] license. If this is a problem for you, consider using OpenSSL instead. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and
libgpg-error) and they too are LGPL- or GPL-licensed.

yassl  http://www.yassl.com/

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NSS     http://www.mozilla.org/projects/security/pki/nss/

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axTLS   http://axtls.sourceforge.net/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

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

zlib    http://www.gzip.org/zlib/zlib_license.html

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

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

MIT Kerberos http://web.mit.edu/kerberos/www/dist/

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Heimdal http://www.pdc.kth.se/heimdal/

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

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libssh2 http://www.libssh2.org/  

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

[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL  

**1.266 pax-utils 1.2.3-r0**

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Version 2, June 1991
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1.269 mapstruct 1.2.0.Final

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1.270 cdebconf 0.192

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1.271 argparse 0.7.0

1.272 ncurses 6.1+20181013 2+deb10u2

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsNameCache.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsCnameCache.java
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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsQueryContext.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DefaultDnsCnameCache.java
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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/NoopDnsNameCache.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DefaultDnsNameCache.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DefaultDnsCnameCache.java

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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java

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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifeCycleObserverFactory.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserver.java
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* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java
* /opt/cola/permits/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java
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* /opt/cola/permissions/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-
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jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /opt/cola/permissions/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-
jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /opt/cola/permissions/1101472102_1603232401.08/0/netty-resolver-dns-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
2-jar/io/netty/internal/tcnative/SessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1068267997_1594338584.78/0/netty-tcnative-boringssl-static-2-0-7-final-sources-
2-jar/io/netty/internal/tcnative/CertificateRequestedCallback.java

1.279 text-table 0.9.1
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1.280 git 2.1.4-2.1+deb8u7

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* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/work/SimpleTaskWorkManager.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/core/RecordExtractor.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/context/BootstrapContextAware.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/cci/connection/ConnectionFactoryUtils.java
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* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/cci/CannotGetCciConnectionException.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/cci/core/ConnectionCallback.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/support/DefaultTransactionDefinition.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/support/AbstractTransactionStatus.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/config/JtaTransactionManagerFactoryBean.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/event/TransactionEventListenerFactory.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/transaction/TransactionDefinition.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/jca/cci/object/MappingCommAreaOperation.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/dao/support/DataAccessUtils.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/support/TransactionTemplate.java
* /opt/cola/permits/1136221004_1613710127.83/0/spring-tx-5-1-8-release-sources-2-jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java

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jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java

1.282 jnr-ffi 2.1.9

1.283 utility-belt 5.3.1

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1.284 rxjava 1.3.8

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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/OperatorWindowWithObservable.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/SingleOnSubscribeDelaySubscriptionOther.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/OperatorSwitch.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/schedulers/ScheduledAction.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/OperatorDebounceWithTime.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/OperatorWindowWithStartEndObservable.java

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/**
* This plugin class provides 2 ways to customize [ @link Scheduler] functionality
* 1. You may redefine entire schedulers, if you so choose. To do so, override
* the 3 methods that return Scheduler (io(), computation(), newThread()).
* 2. You may wrap/decorate an [ @link Action0], before it is handed off to a Scheduler. The system-
* supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
* Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
* modify Scheduler functionality without redefining Schedulers wholesale.
*
* Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
* <p>
* See [@link RxJavaPlugins]{@link RxJavaPlugins} or the RxJava GitHub Wiki for information on configuring plugins:
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/observable/operators/SingleDoAfterTerminate.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/singles/BlockingSingle.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/util/BlockingUtils.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/SingleSubscriber.java

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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/CompletableSubscriber.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/CompletableEmitter.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/SingleEmitter.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/CompletableFromEmitter.java

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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert
UnsafeAccess.isUnsafeAvailable() == true

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

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

The license for the JCTools code is https://github.com/JCTools/JCTools/blob/master/LICENSE

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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/subscriptions/MultipleAssignmentSubscription.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/plugins/RxJavaObservableExecutionHookDefault.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/functions/Func2.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/schedulers/TrampolineScheduler.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/internal/operators/CompletableOnSubscribeConcat.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1-jar/rx/plugins/RxJavaObservableExecutionHookDefault.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/BlockingOperatorToIterator.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorToObservableSortedList.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorTakeWhile.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorToFuture.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/observables/ConnectableObservable.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/Scheduler.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/package-info.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorTakeLast.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorToObservableList.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/exceptions/CompositeException.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/SingleDoOnEvent.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OnSubscribeJoin.java
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* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OperatorZip.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/util/SubscriptionList.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/Notification.java
* /opt/cola/permits/1145449550_1616155815.36/0/rxjava-1-3-8-sources-1.jar/rx/internal/operators/OnSubscribeTimeoutSelectorWithFallback.java

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core/src/main/java/org/jctools/queues/MpmcArrayQueue.java

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  core/src/main/java/org/jctools/queues/atomic/BaseLinkedQueue.java
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   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
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   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/bootstrap/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/ConnectTimeoutException.java
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/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/DefaultMessageSizeEstimator.java

/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/group/ChannelMatchers.java

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/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/DefaultAddressedEnvelope.java

/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java

/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/nio/SelectedSelectionKeySet.java

/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/AddressedEnvelope.java

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/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/group/DefaultChannelGroup.java

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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/SelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/SelectStrategyFactory.java
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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-jar/io/netty/bootstrap/ServerBootstrapConfig.java

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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/nio/NioChannelOption.java

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/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}. 
* 
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
*/
Alternatively, the following adapter classes are provided for your convenience:

- `@link ChannelInboundHandlerAdapter` to handle inbound I/O events,
- `@link ChannelOutboundHandlerAdapter` to handle outbound I/O operations, and
- `@link ChannelDuplexHandler` to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

<h3>The context object</h3>

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information using `@link AttributeKey`s which is specific to the handler.

<h3>State management</h3>

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
   // your methods here
}
```

```java
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
}
```
Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See {link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends {link ChannelInitializer}<{link Channel}> {
    {code @Override}
    public void initChannel({link Channel} channel) {
        channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
    }
}
```

### Using `AttributeKey`s

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `{link AttributeKey}s` which is provided by `{link ChannelHandlerContext}`:

```java
public interface Message {
    // your methods here
}
```

```java
{code @Sharable}
public class DataServerHandler extends {link SimpleChannelInboundHandler}<Message> {
    private final {link AttributeKey}<Boolean> auth = {link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");

    {code @Override}
    public void channelRead({link ChannelHandlerContext} ctx, Message message) {
        {attribute attr = ctx.attr(auth); if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            <b>attr.set(true)</b>;
        } else (message instanceof GetDataMessage) {
            if (<b>Boolean.TRUE.equals(attr.get())</b>) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        } else {
            fail();
        }
    }
}
```
Now that the state of the handler is attached to the \{@link ChannelHandlerContext\}, you can add the
same handler instance to different pipelines:

```java
public class DataServerInitializer extends \{@link ChannelInitializer\}\{\link Channel\}\{

private static final DataServerHandler \texttt{SHARED} = new DataServerHandler();

\texttt{@code @Override}
public void initChannel(\link Channel\ channel) {
    channel.pipeline().addLast("handler", \texttt{SHARED});
}
```

<h4>The \texttt{@code @Sharable} annotation</h4>

In the example above which used an \texttt{@link AttributeKey},
you might have noticed the \texttt{@code @Sharable} annotation.

If a \texttt{@link ChannelHandler} is annotated with the \texttt{@code @Sharable}
annotation, it means you can create an instance of the handler just once and
add it to one or more \texttt{@link ChannelPipeline}s multiple times without
a race condition.

If this annotation is not specified, you have to create a new handler
instance every time you add it to a pipeline because it has unshared state
such as member variables.

This annotation is provided for documentation purpose, just like
\texttt{\texttt{a href=\texttt{http://www.javaconcurrencyinpractice.com/annotations/doc/}}} the JCIP annotations\texttt{/a}.

<h3>Additional resources worth reading</h3>

Please refer to the \texttt{@link ChannelHandler}, and
\texttt{@link ChannelPipeline} to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/AbstractServerChannel.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/ChannelFlushPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/group/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/SocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/RecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/DefaultSocketChannelConfig.java

jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/nio/NioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/bootstrap/Bootstrap.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/DefaultChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/nio/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/SingleThreadEventLoop.java

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* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/PendingBytesTracker.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1075319159_1596106896.09/0/netty-transport-4-1-35-final-sources-1-
jar/io/netty/channel/socket/ChannelOutputShutdownException.java

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1.325 lockfile  0.12.2
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1.326 netty-codec 4.1.50.Final
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/Headers.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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   jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
 * /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
   jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
 * /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
   jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
 * /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DecoderResultProvider.java
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 */
*/

/*
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 */
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* */

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1.jar/io/netty/handler/codec/ValueConverter.java
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec,string/LineEncoder.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/xml/Crc32c.java
A decoder that splits the received \{@link ByteBuf\}'s dynamically by the
value of the length field in the message. It is particularly useful when you
decode a binary message which has an integer header field that represents the
length of the message body or the whole message.

```plaintext
<p>
[@link LengthFieldBasedFrameDecoder] has many configuration parameters so
that it can decode any message with a length field, which is often seen in
proprietary client-server protocols. Here are some example that will give
you the basic idea on which option does what.
</p>

<tr><h3>2 bytes length field at offset 0, do not strip header</h3></tr>

The value of the length field in this example is \tt{tt}12 (0x0C)\tt{tt} which
represents the length of "HELLO, WORLD". By default, the decoder assumes
that the length field represents the number of the bytes that follows the
length field. Therefore, it can be decoded with the simplistic parameter
combination.

```plaintext
<pre>
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
</pre>
```
Because we can get the length of the content by calling `ByteBuf#readableBytes()`, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified `2`, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = 0
initialBytesToStrip = 2 (= the length of the Length field)
```

**BEFORE DECODE (14 bytes)       AFTER DECODE (12 bytes)**
```
-------------------------------+-------
| Length | Actual Content ------>| Actual Content |
| 0x000C | "HELLO, WORLD" | | "HELLO, WORLD" |
-------------------------------+-------
```

**3 bytes length field at the end of 5 bytes header, do not strip header**

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2
initialBytesToStrip = 0
```

**BEFORE DECODE (14 bytes)       AFTER DECODE (14 bytes)**
```
-------------------------------+-------
| Length | Actual Content ------>| Length | Actual Content |
| 0x000E | "HELLO, WORLD" | | 0x000E | "HELLO, WORLD" |
-------------------------------+-------
```

**The following message is a simple variation of the first example. An extra header value is prepended to the message. `lengthAdjustment` is zero again because the decoder always takes the length of the prepended data into account.**
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
* | 0xCAFE   | 0x00000C | "HELLO, WORLD"|      | 0xCAFE   | 0x00000C | "HELLO, WORLD"|
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->| Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE   | "HELLO, WORLD"|      | 0x00000C | 0xCAFE   | "HELLO, WORLD"|
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-----------------------------+ +-----------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------------------+ +-----------------------------+
* </pre>
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into lengthAdjustment.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   =  1
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b>   = <b> 3</b>/n
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-----------------------------+ +-----------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------------------+ +-----------------------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
No license file was found, but licenses were detected in source scan.

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*/
/**
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* <p>
* The internal lookup tables in this class has been derived from
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* Base64 Encoder/Decoder</a>.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/base64/Base64Dialect.java

1.327 packaging 20.4

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1.331 isorelax 20090621

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jar/org/iso_relax/dispatcher/IslandSchemaReader.java

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  jar/org/iso_relax/dispatcher/impl/DispatcherImpl.java

1.332 awssdk 2.11.298

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1.335 voluptuous 0.11.7

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1.336 aws-eventstream 1.0.3

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

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

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser 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 combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
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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
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library, provided that the separate distribution of the work based on
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permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
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Sections above.

b) Give prominent notice with the combined library of the fact
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@appendixsubsec Preamble

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This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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.

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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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- 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.)

- 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.

- 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.

- 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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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.

You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).
H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.345 jackson 2.9.8

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1.350 shadow 4.5 1ubuntu2

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## jopt-simple v5.0.4

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# 
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src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
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src/pcf/pcfutil.c
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src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
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src/gzip/infutil.c
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### xwd utility

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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(agic@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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GCC RUNTIME LIBRARY EXCEPTION
Version 3.1, 31 March 2009

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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.
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The Red Hat developers, without whom CentOS would look very different

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jseward@bzzip.org
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date: 2017-03-24 00:00:00.000000000 Z
dependencies:
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
  requirements:
    - ">="
    - !ruby/object:Gem::Version
      version: '0'
name: rspec
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
  requirements:
    - ">="
    - !ruby/object:Gem::Version
      version: '0'
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'
name: pry
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'
    - !ruby/object:Gem::Dependency
      requirement: !ruby/object:Gem::Requirement
      requirements:
        - - "->"
          - !ruby/object:Gem::Version
            version: 2.2.0
name: webmock
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
  - - "->"
    - !ruby/object:Gem::Version
      version: 2.2.0
    - !ruby/object:Gem::Dependency
      requirement: !ruby/object:Gem::Requirement
      requirements:
        - - ">="
          - !ruby/object:Gem::Version
            version: '0'
name: stud
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'
description: This gem add a few rake tasks to create a uber gems that will be shipped as a zip
email:
  - info@elastic.co
executables: []
extensions: []
extra_rdoc_files: []
files:
  - "/lib/paquet.rb"
- "./lib/paquet/dependency.rb"
- "./lib/paquet/gem.rb"
- "./lib/paquet/rspec/tasks.rb"
- "./lib/paquet/shell_ui.rb"
- "./lib/paquet/utils.rb"
- "./lib/paquet/version.rb"

homepage: https://github.com/elastic/logstash

licenses:
- Apache License (2.0)

metadata: {}

post_install_message:

rdoc_options: []

require_paths:
- lib

required_ruby_version: !ruby/object:Gem::Requirement

requirements:
- - ">="
  - !ruby/object:Gem::Version
    version: '0'

required_rubygems_version: !ruby/object:Gem::Requirement

requirements:
- - ">="
  - !ruby/object:Gem::Version
    version: '0'

rubyforge_project:

rubygems_version: 2.4.8

signing_key:

specification_version: 4

summary: Rake helpers to create a uber gem

test_files: []

Found in path(s):
  */opt/cola/permits/1156528920_1619204972.11/0/paquet-0-2-1-gem/metadata-gz/metadata

---

1.371 gnutls 3.6.7-4+deb10u2

1.371.1 Available under license:

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```

1.372 audit 2.8.4 3

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Utf8.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/html/HtmlEscapers.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Splitter.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/ByteArrayDataInput.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/html/HtmlEscapers.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Splitter.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/Service.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collection/MapMakerInternalMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collection/DenseImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collection/MapMaker.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/LineProcessor.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/SparseImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/ReferenceEntry.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/Cut.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/cache/LocalCache.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Platform.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/ByteProcessor.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/RegularImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/Callables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/AbstractService.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/escape/Platform.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/MutableGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/MutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/TopKSelector.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ImmutableGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/Graphs.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/Graph.java

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  jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/hash/ImmutableSupplier.java

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  jar/com/google/common/base/JdkPattern.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/base/CommonMatcher.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/base/PatternCompiler.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/base/CommonPattern.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/SortedMultisets.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/Interners.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/eventbus/AsyncEventBus.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/eventbus/Subscribe.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/Closeables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/Flushables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/eventbus/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/EnumMultiset.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Predicates.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/ByteStreams.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Defaults.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/FinalizableWeakReference.java

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*/
/**
* Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
* [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
* under GWT but with a slightly different signature.
* 
* <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
* it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/ParseRequest.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/math/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/RegularContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/cache/RemovalCause.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/math/DoubleUtils.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/math/MathPreconditions.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/hash/MessageDigestHashFunction.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/math/IntMath.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/hash/HashFunction.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/guava-29-0-android-sources-
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/**
**
* Holder for web specializations of methods of [ @code Doubles]. Intended to be empty for regular
* version.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/primitives/DoublesMethodsForWeb.java

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  jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/ConsumingQueueIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/io/ReaderInputStream.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/util/concurrent/Platform.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableClassToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableSortedSetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/SingletonImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/EmptyImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ComparisonChain.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableSortedMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ImmutableEnumSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/RegularImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ArrayTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collcit/ForwardingTable.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Platform.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Collections2.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Serialization.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources.jar/com/google/common/collection/CollectPreconditions.java
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jar/com/google/common/base/Ascii.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/Atomics.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/Equivalence.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/ContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/SortedLists.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/Monitor.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/net/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
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jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/eventbus/SubscriberRegistry.java
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jar/com/google/common/math/Quintiles.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/io/MultiReader.java
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jar/com/google/common/util/concurrent/ListenableFutureTask.java
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jar/com/google/common/base/CharMatcher.java
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jar/com/google/common/primitives/Shorts.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
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jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/base/CharMatcher.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/primitives/Shorts.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/base/internal/Finalizer.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/primitives/Ints.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Converter.java
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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/FluentIterable.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/net/InetAddresses.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/Doubles.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/Longs.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/escape/UnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/net/PercentEscaper.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/Booleans.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/primitives/Bytes.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/base/Joiner.java
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/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODOR(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/cache/LongAddables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/reflect/Element.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/hash/LongAddables.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/io/BaseEncoding.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/io/CharSource.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/io/ByteSink.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/io/CharSink.java
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   jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
   jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
   jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
   jar/com/google/common/hash/AbstractHashFunction.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
   jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
   jar/com/google/common/primitives/ImmutableLongArray.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/hash/Striped64.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/cache/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
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/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
* key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link
* ImmutableSortedMap#of(Comparable, Object)}. </b>
*/

Found in path(s):
*/
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
* jar/com/google/common/graph/AbstractGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ElementOrder.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ForwardingNetwork.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/StandardValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/GraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/MapIteratorCache.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/MutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/ImmutableValueGraph.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/IndexedImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/BaseImmutableMultimap.java

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* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/ObjectCountHashMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/BaseGraph.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/Traverser.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/collect/ObjectCountLinkedHashMap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-jar/com/google/common/graph/AbstractBaseGraph.java

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  jar/com/google/common/collection/CompactHashing.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/graph/IncidentEdgeSet.java
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  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/Ordering.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/MutableClassToInstanceMap.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/ExplicitOrdering.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/ClassToInstanceMap.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/Multiset.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/Interner.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/LinkedHashMultimap.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/Sets.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/AbstractMapBasedMultiset.java
  */opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
  jar/com/google/common/collection/ForwardingSortedSet.java
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jar/com/google/common/collect/Maps.java
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jar/com/google/common/collect/package-info.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/Multimaps.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/ComparatorOrdering.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/HashMultimap.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/ImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1073949279_1595505200.06/0/guava-29-0-android-sources-
jar/com/google/common/collect/AbstractMapEntry.java
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jar/com/google/common/util/concurrent/Striped.java
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* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
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 */

/**
 * Returns an array containing all of the elements in this deque, in
 * proper sequence (from first to last element).
 *
 * <p>The returned array will be "safe" in that no references to it are
 * maintained by this deque. (In other words, this method must allocate
 * a new array). The caller is thus free to modify the returned array.
 *
 * <p>This method acts as bridge between array-based and collection-based
 * APIs.
 *
 * @return an array containing all of the elements in this deque
 */

Found in path(s):
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/connection/ConcurrentLinkedDeque.java

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  jar/com/mongodb/lang/NonNullApi.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/lang/package-info.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/TransactionOperation.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/lang/Nullable.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/operation/WriteConcernHelper.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/lang/NonNull.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/CommitTransactionOperation.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/TransactionOptions.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/operation/ServerVersionHelper.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/connection/ReadConcernAwareNoOpSessionContext.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/connection/ReadConcernHelper.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/AbortTransactionOperation.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/OperationReadConcernHelper.java

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* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/event/CommandFailedEvent.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/UserExistsOperation.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/connection/MessageHeader.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/operation/CreateIndexesOperation.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/client/model/CollationAlternate.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/ServerAddress.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/internal/connection/ConnectionClosedEvent.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/DBRefCodec.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/connection/BufferProvider.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/client/model/geojson/ codecs/AbstractGeometryCodec.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/connection/DefaultConnectionFactory.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/connection/DefaultAuthenticator.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/client/model/package-info.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/connection/ClusterConnectionMode.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/client/model/geojson/ codecs/AbstractGeometryCodec.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/bulk/WriteConcernError.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/bulk/BulkWriteUpsert.java
* /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1-
  jar/com/mongodb/bulk/BulkWriteException.java
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- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/event/CommandListenerMulticaster.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/DBObject.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/client/model/geojson/MultiPolygon.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/ClusterableServer.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/InternalConnection.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/ReplyMessage.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/event/ConnectionPoolEventMulticaster.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/event/ServerEventMulticaster.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/CommandResultCallback.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/client/model/changestream/UpdateDescription.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/SplittablePayloadBsonWriter.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/connection/ConnectionId.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/MongoWriteConcernException.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/OpCode.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/event/ConnectionRemovedEvent.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/client/model/Filters.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/connection/netty/package-info.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/internal/connection/MongoCredentialWithCache.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/operation/ListDatabasesOperation.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/client/model/geojson/codecs/PointCodec.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/binding/SingleServerBinding.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/selector/package-info.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/MongoCursorNotFoundException.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/MongoClientSettings.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/mongoCursorNotFoundException.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/MongoClientSettings.java
- /opt/cola/permits/1136290367_1613729587.01/0/mongodb-driver-core-3-8-2-sources-1.jar/com/mongodb/selector/package-info.java
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  jar/com/mongodb/assertions/Assertions.java

1.386 servo-core 0.12.21

1.387 libxext 1.3.3-1

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1.391 joda-time 2.3

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## Constant-time SSSE3 AES core implementation.

### Version 0.1

### By Mike Hamburg (Stanford University), 2009

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 */
/**
 * Token revocation request. Used to revoke an issued access or refresh token.
 *
 * <p>Example token revocation request for a confidential client:
 *
 * <pre>
 * POST /revoke HTTP/1.1
 * Host: server.example.com
 * Content-Type: application/x-www-form-urlencoded
 * Authorization: Basic czZCaGRSa3F0MzpnWDFmQmF0M2JW
 *
 * token=45ghiukldjahdzdauz&amp;token_type_hint=refresh_token
 * </pre>
 *
 * <p>Example token revocation request for a public client:
 *
 * <pre>
 * POST /revoke HTTP/1.1
 * Host: server.example.com
 * Content-Type: application/x-www-form-urlencoded
 */
* token=45ghiukldjahdnhzdauz&token_type_hint=refresh_token&client_id=123456
* </pre>
*
* <p>Related specifications:
*
* <ul>
*   <li>OAuth 2.0 Token Revocation (RFC 7009), section 2.1.
* </ul>
*/
/**
* Creates a new token revocation request for a confidential client.
* 
* @param uri        The URI of the token revocation endpoint. May be
*   {@code null} if the [@link #toHTTPRequest] method
*   will not be used.
* @param clientAuth The client authentication. Must not be
*   {@code null}.
* @param token      The access or refresh token to revoke. Must not be
*   {@code null}.
*/
// confidential client

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* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-
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* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/error/UserInfoErrorResponse.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/error/AuthorizedParty.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/error/Address.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/assertions/AssertionDetails.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/claims/CommonClaimsSet.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/display/Display.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/oauth2/sdk/client/ClientRegistrationRequest.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/oauth2/sdk/as/AuthorizationServerMetadata.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2.jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientRegistrationRequest.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/Message.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/as/package-info.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/token/package-info.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/OIDCScopeValue.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/AuthorizationGrant.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/util/CollectionUtils.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/util/URLUtils.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/claims/IDTokenClaimsSet.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/auth/PlainClientSecret.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/http/HTTPResponse.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/util/X509CertificateUtils.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/claims/CodeHash.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/AuthorizationCode.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/claims/AccessTokenHash.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/Response.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/TokenResponse.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/JWTBearerGrant.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/util/JSONUtils.java
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/openid/connect/sdk/id/HashBasedPairwiseSubjectCodec.java
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 */

/**
 * OpenID Connect client information. Encapsulates the registration and
 * metadata details of an OpenID Connect client:
 *
 * <ul>
 *     <li>The client identifier.
 *     <li>The client OpenID Connect metadata.
 *     <li>The optional client secret for a confidential client.
 *     <li>The optional registration URI and access token if dynamic client
 *         registration is permitted.
 * </ul>
 *
 * <p>Related specifications:
 *
 * <ul>
 *     <li>OpenID Connect Dynamic Client Registration 1.0.
 *     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
 *         3.2.1.
 *     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
 *         7592), section 3.
 * </ul>
 */
Found in path(s):
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-
  jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientInformation.java
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    */
    /**
    * Confidential. Clients capable of maintaining the confidentiality of
    * their credentials (e.g., client implemented on a secure server with
    * restricted access to the client credentials), or capable of secure
    * client authentication using other means.
    */
    /**
    * Public. Clients incapable of maintaining the confidentiality of their
    * credentials (e.g., clients executing on the device used by the
    * resource owner, such as an installed native application or a web
    * browser-based application), and incapable of secure client
    * authentication via any other means.
    */

Found in path(s):
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-
  jar/com/nimbusds/oauth2/sdk/client/ClientType.java
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  */
/**
 * Authorisation code. Client authentication required only for
 * confidential clients.
 */
/**
 * Refresh token. Client authentication required only for confidential
 * clients.
 */
/**
 * Password. Client authentication required only for confidential
 * clients.
 */

Found in path(s):
* /opt/cola/permits/1136367337_1615402205.02/0/oauth2-oidc-sdk-6-5-sources-2-jar/com/nimbusds/oauth2/sdk/GrantType.java
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* jar/com/nimbusds/openid/connect/sdk/validators/BadJWTExceptions.java
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* */
/**
* Client information. Encapsulates the registration and metadata details of
* an OAuth 2.0 client:
* *
* <ul>
*     <li>The client identifier.
*     <li>The client metadata.
*     <li>The optional client secret for a confidential client.
*     <li>The optional registration URI and access token if dynamic client
*         registration is permitted.
* </ul>
* *
* <p>Related specifications:
* *
* <ul>
*     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
*         3.2.1.
*     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
*         7592), section 3.
* </ul>
* */

// The client must by unambiguously public, else it is marked as confidential
1.397 spring-kafka 2.2.7.RELEASE

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  jar/org/springframework/kafka/annotation/KafkaHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/support/ProducerListenerAdapter.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/listener/BatchAcknowledgingMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/listener/MessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/listener/BatchMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/listener/ErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/listener/ConcurrentMessageListenerContainer.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/support/serializer/JsonDeserializer.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-
  jar/org/springframework/kafka/core/KafkaOperations.java
*/
jar/org/springframework/kafka/listener/LoggingErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/Acknowledgment.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/LoggingProducerListener.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/ProducerListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/adapter/HandlerAdapter.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/core/KafkaTemplate.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/AcknowledgingMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/RecordMessageConverter.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/annotation/EnableKafka.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/adapter/DelegatingInvocableHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/adapter/RecordFilterStrategy.java

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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/KafkaMessageListenerContainer.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/MessageListenerContainer.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/MessageListener.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/KafkaHeaders.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/config/AbstractKafkaListenerContainerFactory.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/config/AbstractKafkaListenerEndpoint.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/config/ConcurrentKafkaListenerContainerFactory.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/config/KafkaListenerEndpointRegistry.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/config/KafkaListenerEndpointRegistrar.java

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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/ListenerUtils.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/RemainingRecordsErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/ContainerStoppingErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/annotation/KafkaStreamsDefaultConfiguration.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/JacksonPresent.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/ContainerAwareErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/BatchConsumerAwareMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/event/NonResponsiveConsumerEvent.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/config/StreamsBuilderFactoryBean.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/support/converter/ClassMapper.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/AcknowledgingConsumerAwareMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/ListenerType.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/ContainerStoppingBatchErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/KafkaListenerErrorHandler.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/BatchAcknowledgingConsumerAwareMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/DelegatingMessageListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/ConsumerAwareErrorListener.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/SeekToCurrentBatchErrorHandler.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/transaction/KafkaTransactionManager.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/support/serializer/JsonSerde.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/core/KafkaResourceHolder.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2.jar/org/springframework/kafka/listener/LoggingCommitCallback.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/listener/FailedRecordTracker.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/transaction/ChainedKafkaTransactionManager.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/support/CompositeProducerListener.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/event/ConsumerStoppedEvent.java
* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/requestreply/ReplayingKafkaTemplate.java
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* /opt/cola/permits/1138172725_1614268538.01/0/spring-kafka-2-2-7-release-sources-2-jar/org/springframework/kafka/requestreply/ReplayingKafkaOperations.java

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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 compile or
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license
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that part of it is a work based on the Library, and explaining
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Appendix: How to Apply These Terms to Your New Libraries

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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!
commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date: Sun Dec 22 14:49:48 2013 -0800

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files, with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory
Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/syv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

- sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
- sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
- (fchflags): Likewise.
- (revoke): Likewise.
- (setlogin): Likewise.
- (sigalltstack): Likewise.
- (wait4): Likewise.
- (sigblock): Remove.
- (sigsetmask): Likewise.
- (wait3): Likewise.
- (waitpid): Likewise.
- sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
- sysdeps/unix/bsd/Makefile: ... here.
- sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
- sysdeps/unix/bsd/Versions: ... here.
- sysdeps/unix/bsd/bsd4.4/bits/socketdr.h: Move to ...
- sysdeps/unix/bsd/bits/socketdr.h: ... here.
- sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
- sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
- sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
- sysdeps/unix/bsd/sigblock.c: ... here.
- sysdeps/unix/bsd/bsd4.4/sigsetmask.c: Move to ...
- sysdeps/unix/bsd/sigsetmask.c: ... here.
- sysdeps/unix/bsd/bsd4.4/sigvec.c: Move to ...
- sysdeps/unix/bsd/sigvec.c: ... here.
- sysdeps/unix/bsd/bsd4.4/tcdrain.c: Move to ...
- sysdeps/unix/bsd/tcdrain.c: ... here.
- sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
- sysdeps/unix/bsd/tcgetattr.c: ... here.
- sysdeps/unix/bsd/bsd4.4/tcsetattr.c: Move to ...
- sysdeps/unix/bsd/tcsetattr.c: ... here.
- sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
- sysdeps/unix/bsd/wait.c: ... here.
- sysdeps/unix/bsd/bsd4.4/wait3.c: Move to ...
- sysdeps/unix/bsd/wait3.c: ... here.
diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234e1fd1f522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.

gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
-unix/bsd/bsd4.4
+unix/bsd
diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Versions
rename to sysdeps/unix/bsd/Versions
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstacksigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c

diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c

diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
@@ -1,14 +1,16 @@
 # File nameCallerSyscall name# argsStrong nameWeak names

+chflags-chflags2chflags
+fchflags-fchflags2fchflags
flock-flock2__flockflock
getdents-getdirententries4__getdirententriesgetdirententries
getdtsz-gettablesizer0__gettablesizergettablesizer
getpagesize-getpagesize0__getpagesizegetpagesize
killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
+sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack
sigvec-sigvec3__sigvecsигvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c

diff --git a/sysdeps/unix/bsd/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c

diff --git a/sysdeps/unix/bsd/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c

diff --git a/sysdeps/unix/bsd/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c

diff --git a/sysdeps/unix/bsd/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
rename from sysdeps/unix/bsd/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
    similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
    index 0b3bdee771782b7b..2ff027f0e1d83eb2 100644
    --- a/sysdeps/unix/sysv/linux/wait3.c
    +++ b/sysdeps/unix/sysv/linux/wait3.c
    @@ -1 +1 @@
    -#include <sysdeps/unix/bsd/bsd4.4/wait3.c>
    +#include <sysdeps/unix/bsd/wait3.c>

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Version 2.1, February 1999

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^L

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

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility


is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(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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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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

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# Jackson JSON processor

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

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

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TEST-bundler-1.16.1

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## Source Code

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* /opt/ws_local/PERMITS_SQL/1074308940_1595728015.14/0/spring-data-mongodb-1-6-1-release-sources-1-jar/org/springframework/data/mongodb/core/DbCallback.java
* /opt/ws_local/PERMITS_SQL/1074308940_1595728015.14/0/spring-data-mongodb-1-6-1-release-sources-1-jar/org/springframework/data/mongodb/core/InvalidMongoDbApiUsageException.java
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* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1.jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1.jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1.jar/org/springframework/mail/javamail/SmartMimeMessage.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1.jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java
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* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/scheduling/quartz/QuartzJobBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/mail/MailSender.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/mail/javamail/InternetAddressEditor.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/ui/freemarker/FreeMarkerTemplateUtils.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/cache/ehcache/EhCacheManagerUtils.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/cache/jcache/interceptor/CACHE_REMOVE_ALL_OPERATION.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-jar/org/springframework/mail/javamail/JavaMailSender.java

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# Defaults for the Java Activation Framework (revised).

# Modified extensions registered in this file:
# text/plain
c++ cpp pl cc h
# image/png
# image/svg+xml
text/html
text/plain
txt text TXT TEXT html htm HTML HTM
image/gif
image/jpeg
image/tiff
image/x-xwindowdump
application/postscript
eps ps
application/rtf
text
text/x-speech
text/css
# IMAGE TYPES

# X-Windows bitmap (b/w)
image/x-xbitmap

# X-Windows pixmap (8-bit color)
image/x-xpm

# Portable Network Graphics
image/png

# Scalable Vector Graphics
image/svg+xml

# Image Exchange Format (RFC 1314)
image/ief

# RGB
image/rgb

# Group III Fax (RFC 1494)
image/g3fax

# X Windowdump format
image/x-xwindowdump

# Macintosh PICT format
image/x-pict

# PPM (UNIX PPM package)
image/x-portable-pixmapppm

# PGM (UNIX PPM package)
image/x-portable-graymappgm

# PBM (UNIX PPM package)
image/x-portable-bitmappbm

# PNM (UNIX PPM package)
image/x-portable-anymappnm

# Microsoft Windows bitmap
image/x-ms-bmp

# CMU raster
image/x-cmu-rasterras

# Kodak Photo-CD
image/x-photo-cd

# Computer Graphics Metafile
image/cgm

# CALS Type 1 or 2
image/x-cals

# Fractal Image Format (Iterated Systems)
image/fif

# QuickSilver active image (Micrografx)
image/x-mgx-dsf

# CMX vector image (Corel)
image/x-cmx

# Wavelet-compressed (Summus)
image/wavelet
# AutoCad Drawing (SoftSource)
image/vnd.dwg
dwg
# AutoCad DXF file (SoftSource)
image/vnd.dxf
dxf
# Simple Vector Format (SoftSource)
image/vnd.svf
svf

# AUDIO/VOICE/MUSIC RELATED TYPES

# ""basic"" audio - 8-bit u-law PCM
audio/basic
snd
# Macintosh audio format (AIpple)
adudio/x-aiff aisff aifc
# Microsoft audio
audio/x-wav
wav
# MPEG audio
audio/x-mpeg mpeg
# MPEG-2 audio
audio/x-mpeg-2 mp2 a mpea
# compressed speech (Echo Speech Corp.)
adudio/echospeches
# Toolvox speech audio (Voxware)
adudio/voxwarevox
# RapidTransit compressed audio (Fast Man)
application/fastmanlcc
# Realaudio (Progressive Networks)
application/x-pn-realaudiora ram
# MIDI music data
x-music/x-midi
mmid
# Koan music data (SSeyo)
application/vnd.koan
skp
# Speech synthesis data (MVP Solutions)
text/x-speechtalk

# VIDEO TYPES

# MPEG video
video/mpeg mpeg mpg mpe
# MPEG-2 video
video/mpeg-2 mpv2 mp2v
# Macintosh Quicktime
video/quicktimeqt mov
# Microsoft video
video/x-msvideo avi
# SGI Movie format
video/x-sgi-movie movie
# VDOlive streaming video (VDOnet)
video/vdovdo
# Vivo streaming video (Vivo software)
video/vnd.vivoviv

# SPECIAL HTTP/WEB APPLICATION TYPES

# Proxy autoconfiguration (Netscape browsers)
application/x-ns-proxy-autoconfigpac
# Netscape Cooltalk chat data (Netscape)
x-conference/x-cooltalkice

# TEXT-RELATED

# PostScript
application/postscriptai eps ps
# Microsoft Rich Text Format
application/rtf
# Adobe Acrobat PDF
application/pdfpdf
# Maker Interchange Format (FrameMaker)
application/vnd.mifmif
# Troff document
application/x-troff tr roff
# Troff document with MAN macros
application/x-troff-manman
# Troff document with ME macros
application/x-troff-meme
# Troff document with MS macros
application/x-troff-msms
# LaTeX document
application/x-latexlatex
# Tex/LateX document
application/x-textextex
# GNU TexInfo document
application/x-texinfoinfo texi
# TeX dvi format
application/x-dvidvii
# MS word document
application/msworddoc DOC
# Office Document Architecture
application/odaoda
# Envoy Document
application/envoyevyev

# ARCHIVE/COMPRESSED ARCHIVES

# Gnu tar format
application/x-gtar
# 4.3BSD tar format
application/x-tar
# POSIX tar format
application/x-ustar
# Old CPIO format
application/x-bcpio
# POSIX CPIO format
application/x-cpio
# UNIX sh shell archive
application/x-shar
# DOS/PC - Pkzipped archive
application/zip
# Macintosh Binhexed archive
application/mac-binhex40
# Macintosh Stuffit Archive
application/x-stuffit
# Fractal Image Format
application/fractals
# "Binary UUencoded"
application/octet-stream
# PC executable
application/octet-stream
# "WAIS ""sources"
application/x-wais-sources src
# NCSA HDF data format
application/hdf

# DOWNLOADABLE PROGRAM/SCRIPTS

text/javascript
# Javascript program
application/x-javascript ls mocha
# UNIX bourne shell program
application/x-sh
# UNIX c-shell program
application/x-csh
# Perl program
application/x-perl
# Tcl (Tool Control Language) program
application/x-tcl

# ANIMATION/MULTIMEDIA

application/futuresplash
# FutureSplash vector animation (FutureWave)
application/mbedlet
# mBED multimedia data (mBED)
application/x-rad-powermedia
# PRESENTATION

# PowerPoint presentation (Microsoft)
application/mspowerpoint
# ASAP WordPower (Software Publishing Corp.)
application/x-asapasp
# Astound Web Player multimedia data (GoldDisk)
application/astoundasn

# SPECIAL EMBEDDED OBJECT

# OLE script e.g. Visual Basic (Ncompass)
application/x-olescriptasx
# OLE Object (Microsoft/NCompass)
application/x-oleobjectodds
# OpenScape OLE/OCX objects (Business@Web)
x-form/x-openscapeopp
# Visual Basic objects (Amara)
application/x-webbasicwba
# Specialized data entry forms (Alpha Software)
application/x-alpha-formfrm
# client-server objects (Wayfarer Communications)
x-script/x-wxfclientwfx

# GENERAL APPLICATIONS

# Undefined binary data (often executable progs)
application/octet-stream
# Pointcast news data (Pointcast)
application/x-penpcn
# Excel spreadsheet (Microsoft)
application/vnd.ms-excelxls
# PowerPoint (Microsoft)
application/vnd.ms-powerpointppt
# Microsoft Project (Microsoft)
application/vnd.ms-projectmpp
# SourceView document (Dataware Electronics)
application/vnd.svd
# Net Install - software install (20/20 Software)
application/x-net-installins
# Carbon Copy - remote control/access (Microcom)
application/ccvccv
# Spreadsheets (Visual Components)
workbook/formulaonevts

# 2D/3D DATA/VIRTUAL REALITY TYPES

# VRML data file
x-world/x-vrmlwrl vrml
# WIRL - VRML data (VREAM)
x-world/x-vreamvrew
# Play3D 3d scene data (Play3D)
application/x-p3dp3d
# Viscape Interactive 3d world data (Superscape)
x-world/x-svrsrv
# WebActive 3d data (Plastic Thought)
x-world/x-wrrwvr
# QuickDraw3D scene data (Apple)
x-world/x-3dmf3dmf

# SCIENTIFIC/MATH/CAD TYPES

# Mathematica notebook
application/mathematica
# Computational meshes for numerical simulations
x-model/x-meshmsh
# Vis5D 5-dimensional data
application/vis5dv5d
# IGES models -- CAD/CAM (CGM) data
application/igesigs
# Autocad WHIP vector drawings
drawing/x-dwf/dwf

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jar/org/springframework/mail/javamail/mime.types
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jar/org/springframework/cache/jcache/interceptor/AbstractFallbackJCacheOperationSource.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/AbstractKeyCacheInterceptor.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/DefaultCacheMethodDetails.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/AnnotationJCacheOperationSource.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/JCacheManagerFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/quartz/CronTriggerFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/JCacheOperationSource.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/quartz/SimpleTriggerFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/config/JCacheConfigurer.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/quartz/LocalTaskExecutorThreadPool.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/JCacheAspectSupport.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/CacheResolverAdapter.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/BeanFactoryJCacheOperationSourceAdvisor.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/SimpleExceptionCacheResolver.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/ui/freemarker/SpringTemplateLoader.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/commonj/WorkManagerTaskExecutor.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/scheduling/commonj/TimerManagerFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/ehcache/EhCacheFactoryBean.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/DefaultCacheInvocationContext.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/cache/jcache/interceptor/CachePutInterceptor.java
* /opt/cola/permits/1135880196_1613624430.75/0/spring-context-support-5-2-7-release-sources-1-
jar/org/springframework/mail/javamail/JavaMailSenderImpl.java

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This option is useful when you wish to copy part of the code of
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1.431 libjpeg-turbo 1.5.3-r4

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1.432 adduser 3.118

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1.434 opensaml-profile-impl 3.3.0

1.435 systemd 241-7~deb10u3
1.435.1 Available under license :

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/AbstractSniHandler.java

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/PemReader.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/PseudoRandomFunction.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/NotSslRecordException.java
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1.446 byte-buddy 1.9.13

1.447 pyleblzma 0.5.3
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1.465 logstash-filter-json 3.1.0

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include/GL/g1.h :

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include/GL/glxext.h
include/GL/wglxext.h :

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End

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Version 2.1, February 1999

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by Dr. Michael Newberry (miken@cs.adfa.oz.au) and Micheal J. Miller, Jr. (mike@kaberd.rain.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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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/core/DestinationResolvingMessageReceivingOperations.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/support/ChannelInterceptorAdapter.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/simp/broker/AbstractSubscriptionRegistry.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/simp/user/UserDestinationMessageHandler.java
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/simp/annotation/support/SendToMethodReturnValueHandler.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/handler/AbstractMessageCondition.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/simp/stomp/StompHeaders.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/support/ChannelInterceptor.java
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-jar/org/springframework/messaging/simp/broker/OrderedMessageSender.java
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2.jar/org/springframework/messaging/simp/SimpAttributes.java
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2.jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2.jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2.jar/org/springframework/messaging/handler/invocation/ReactiveReturnValueHandler.java
* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-
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* /opt/cola/permits/1136220933_1613710136.53/0/spring-messaging-5-1-8-release-sources-2-
jar/org/springframework/messaging/simp/stomp/StompDecoder.java
*/
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jar/org/springframework/messaging/simp/stomp/StompHeaderAccessor.java
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jar/org/springframework/messaging/support/MessageHeaderInitializer.java
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jar/org/springframework/messaging/support/MessageHandlingRunnable.java
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jar/org/springframework/messaging/MessageHandlingException.java
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jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java
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 */
/**
 * Set the max pool size of the ThreadPoolExecutor.
 * <p><strong>NOTE:</strong> When an unbounded
 * <ul>
 *   <li>[@link #queueCapacity(int) queueCapacity] is configured (the default), the
 *   <li>max pool size is effectively ignored. See the "Unbounded queues" strategy
 *   <li>in [@link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor] for
 *   <li>more details.
 *   <li><p>By default this is set to [@code Integer.MAX_VALUE].
 * */

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1.473 jackson-module-parameter-names

2.11.0

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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.)

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to use the modified definitions.)

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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.476 libsoftware-license-perl 0.103010-3

1.476.1 Available under license :

    #!perl
    use strict;
    use warnings;
    use Test::More tests => 5;

    my $class = 'Software::License::Perl_5';
    require_ok($class);

    my $license = $class->new({ holder => 'X. Ample' });

    is($license->holder, 'X. Ample', '(c) holder');
    is($license->year, (localtime)[5]+1900, '(c) year');
    like($license->name, qr/perl 5/i, "license name");
    like($license->fulltext, qr/general public/i, "license text");

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packages that provide templated software licenses

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the same terms as the Perl 5 programming language system itself.

This README file was generated by Dist::Zilla::Plugin::Readme v5.014.
#!perl
use Test::More tests => 2;
note 'Checking Changes';
my $changes_file = 'Changes';
my $newver = '0.103010';
my $trial_token = '-TRIAL';
SKIP: {
ok(-e $changes_file, "$changes_file file exists")
or skip 'Changes is missing', 1;
ok(_get_changes($newver), "$changes_file has content for $newver");
}
done_testing;
# _get_changes copied and adapted from Dist::Zilla::Plugin::Git::Commit
# by Jerome Quelin
sub _get_changes
{
my $newver = shift;
# parse changelog to find commit message
open(my $fh, '<', $changes_file) or die "cannot open $changes_file: $!";
my $changelog = join('', <$fh>);
close $fh;
my @content =
grep { /^$newver(?:$trial_token)?(?:\s+|$)/ ... /^\S/ } # from newver to un-indented
split /\n/, $changelog;
shift @content; # drop the version line
# drop unindented last line and trailing blank lines
pop @content while ( @content && $content[-1] =~ /^(?:\S|\s*$)/ );
# return number of non-blank lines
return scalar @content;
}
name = Software-License
author = Ricardo Signes <rjbs@cpan.org>
license = Perl_5

Open Source Used In Cisco Auto Inline Retuner 2.1.0 6057


use strict;
use warnings;
use Test::More tests => 2;

use Software::License::BSD;
use Software::License::Mozilla_1_0;

# TEST
is (scalar(Software::License::BSD->url()),
   'http://opensource.org/licenses/BSD-3-Clause',
   "BSD->url() is OK."
);

# TEST
is (scalar(Software::License::Mozilla_1_0->url()),
   'http://www.mozilla.org/MPL/MPL-1.0.txt',
   "Mozilla_1_0->url() is OK."
);

# This file was automatically generated by Dist::Zilla::Plugin::MakeMaker v5.014.
use strict;
use warnings;

use 5.006;
use ExtUtils::MakeMaker 6.30;

my %WriteMakefileArgs = {
    "ABSTRACT" => "packages that provide templated software licenses",
    "AUTHOR" => "Ricardo Signes <rjbs@cpan.org>",
    "BUILD_REQUIRES" => {},
    "CONFIGURE_REQUIRES" => {
        "ExtUtils::MakeMaker" => "6.30"
    },
    "DISTNAME" => "Software-License",
    "EXE_FILES" => [],
    "LICENSE" => "perl",
    "NAME" => "Software::License",
    "PREREQ_PM" => {
        "Carp" => 0,
        "Data::Section" => 0,
        "File::Spec" => 0,
my %FallbackPrereqs = (
  "Carp" => 0,
  "Data::Section" => 0,
  "File::Spec" => 0,
  "IO::Dir" => 0,
  "Module::Load" => 0,
  "Sub::Install" => 0,
  "Text::Template" => 0,
  "parent" => 0,
  "strict" => 0,
  "warnings" => 0
);

unless ( eval { ExtUtils::MakeMaker->VERSION(6.63_03) } ) { 
  delete $WriteMakefileArgs{TEST_REQUIRES};
  delete $WriteMakefileArgs{BUILD_REQUIRES};
  $WriteMakefileArgs{PREREQ_PM} = \%FallbackPrereqs;
}

delete $WriteMakefileArgs{CONFIGURE_REQUIRES}
unless eval { ExtUtils::MakeMaker->VERSION(6.52) };

WriteMakefile(%WriteMakefileArgs);
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   later version, or
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Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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The End
#!perl
# This file was automatically generated by Dist::Zilla::Plugin::PodSyntaxTests.
use Test::More;
use Test::Pod 1.41;

all_pod_files_ok();
# This file was automatically generated by Dist::Zilla::Plugin::Manifest v5.014.
Changes
LICENSE
use strict;
use warnings;
use Test::More 0.88;

# This is a relatively nice way to avoid Test::NoWarnings breaking our
# expectations by adding extra tests, without using no_plan. It also helps
# avoid any other test module that feels introducing random tests, or even
# test plans, is a nice idea.
our $success = 0;
END { $success && done_testing; }

# List our own version used to generate this
my $v = "\nGenerated by Dist::Zilla::Plugin::ReportVersions::Tiny v1.10\n";

eval {                     # no excuses!
    # report our Perl details
    my $want = '5.006';
    $v .= "perl: $] (wanted $want) on $^O from $^X\n";
};
defined($@) and diag("$@");

# Now, our module version dependencies:
sub pmver {
    my ($module, $wanted) = @_;  
    $wanted = " (want $wanted)";
    my $pmver;
    eval "require $module;";
    if ($@) {
        if ($@ =~ m/Can't locate .* in \@INC/)
        { $pmver = 'module not found.'; }
        else
        { diag("$module: $@");
            $pmver = 'died during require.';
        }
    } else {
        my $version;
        eval { $version = $module->VERSION; };
        if ($@) { diag("$module: $@");
            $pmver = 'died during VERSION check.';
        } elsif (defined $version) { $pmver = "$version";
        } else { $pmver = '<undef>'; }
    }
    
    # So, we should be good, right?
    return sprintf('%-45s => %-10s%-15s%s', $module, $pmver, $wanted, "\n");
eval { $v .= pmver('Carp','any version') }; 
 eval { $v .= pmver('Data::Section','any version') }; 
 eval { $v .= pmver('ExtUtils::MakeMaker','6.30') }; 
 eval { $v .= pmver('File::Spec','any version') }; 
 eval { $v .= pmver('IO::Dir','any version') }; 
 eval { $v .= pmver('Module::Load','any version') }; 
 eval { $v .= pmver('Sub::Install','any version') }; 
 eval { $v .= pmver('Test::More','0.96') }; 
 eval { $v .= pmver('Text::Template','any version') }; 
 eval { $v .= pmver('Try::Tiny','any version') }; 
 eval { $v .= pmver('parent','any version') }; 
 eval { $v .= pmver('strict','any version') }; 
 eval { $v .= pmver('warnings','any version') }; 

# All done.
$v .= <<'EOT';

Thanks for using my code. I hope it works for you.
If not, please try and include this output in the bug report.
That will help me reproduce the issue and solve your problem.

EOT

diag($v);
ok(1, "we really didn't test anything, just reporting data");
 saygı = 1;

# Work around another nasty module on CPAN. :/
no warnings 'once';
$Template::Test::NO_FLUSH = 1;
exit 0;
{
  "abstract" : "packages that provide templated software licenses",
  "author" : [
    "Ricardo Signes <rjbs@cpan.org>"
  ],
  "dynamic_config" : 0,
  "generated_by" : "Dist::Zilla version 5.014, CPAN::Meta::Converter version 2.140640",
  "license" : [
    "perl_5"
  ],
  "meta-spec" : {
    "url" : "http://search.cpan.org/perldoc?CPAN::Meta::Spec",
    "version" : "2"
  },
"name" : "Software-License",
"prereqs" : {
  "configure" : {
    "requires" : {
      "ExtUtils::MakeMaker" : "6.30"
    }
  },
  "develop" : {
    "requires" : {
      "Test::Pod" : "1.41",
      "version" : "0.9901"
    }
  },
  "runtime" : {
    "requires" : {
      "Carp" : "0",
      "Data::Section" : "0",
      "File::Spec" : "0",
      "IO::Dir" : "0",
      "Module::Load" : "0",
      "Sub::Install" : "0",
      "Text::Template" : "0",
      "parent" : "0",
      "perl" : "5.006",
      "strict" : "0",
      "warnings" : "0"
    }
  },
  "test" : {
    "requires" : {
      "Test::More" : "0.96",
      "Try::Tiny" : "0"
    }
  }
},
"release_status" : "stable",
"resources" : {
  "bugtracker" : {
    "web" : "https://github.com/rjbs/Software-License/issues"
  },
  "homepage" : "https://github.com/rjbs/Software-License",
  "repository" : {
    "type" : "git",
    "url" : "https://github.com/rjbs/Software-License.git",
    "web" : "https://github.com/rjbs/Software-License"
  }
},
"version" : "0.103010"
"x_Dist_Zilla": {
  "perl": {
    "version": "5.019010"
  },
  "plugins": [
    {
      "class": "Dist::Zilla::Plugin::Git::GatherDir",
      "name": "@RJBS/Git::GatherDir",
      "version": "2.020"
    },
    {
      "class": "Dist::Zilla::Plugin::CheckPrereqsIndexed",
      "name": "@RJBS/CheckPrereqsIndexed",
      "version": "0.011"
    },
    {
      "class": "Dist::Zilla::Plugin::CheckExtraTests",
      "name": "@RJBS/CheckExtraTests",
      "version": "0.021"
    },
    {
      "class": "Dist::Zilla::Plugin::PromptIfStale",
      "config": {
        "Dist::Zilla::Plugin::PromptIfStale": {
          "check_all_plugins": 0,
          "check_all_prereqs": 0,
          "modules": [
            "Dist::Zilla::PluginBundle::RJBS"
          ],
          "phase": "build",
          "skip": []
        }
      },
      "name": "@RJBS/RJBS-Outdated",
      "version": "0.021"
    },
    {
      "class": "Dist::Zilla::Plugin::PromptIfStale",
      "config": {
        "Dist::Zilla::Plugin::PromptIfStale": {
          "check_all_plugins": 1",
          "check_all_prereqs": 0,
          "modules": [ ],
          "phase": "release",
          "skip": []
        }
      },
      "name": "@RJBS/CPAN-Outdated",
      "version": "0.021"
    }
  ]
}
Open Source Used In Cisco Auto Inline Retuner 2.1.0 6076
The Foo-Bar License

http://www.example.com/foo-bar.txt

Copyright (C) {{$self->year}} by {{$self->holder}}.

This is free software, licensed under {{$self->name}}.

Well... this is only some sample text. I'm true... only sample text!!!

Yes, spanning more lines and more paragraphs.

---
abstract: 'packages that provide templated software licenses'
author:
  - 'Ricardo Signes <rjbs@cpan.org>'
build_requires:
  Test::More: '0.96'
  Try::Tiny: '0'
configure_requires:
  ExtUtils::MakeMaker: '6.30'
dynamic_config: 0
generated_by: 'Dist::Zilla version 5.014, CPAN::Meta::Converter version 2.140640'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: '1.4'
name: Software-License
requires:
  Carp: '0'
  Data::Section: '0'
  File::Spec: '0'
  IO::Dir: '0'
  Module::Load: '0'
  Sub::Install: '0'
  Text::Template: '0'
  parent: '0'
  perl: '5.006'
  strict: '0'
  warnings: '0'
resources:
  bugtracker: https://github.com/rjbs/Software-License/issues
  homepage: https://github.com/rjbs/Software-License
  repository: https://github.com/rjbs/Software-License.git
version: '0.103010'
x_Dist_Zilla:
  perl:
    version: '5.019010'
plugins:
  -
    class: Dist::Zilla::Plugin::Git::GatherDir
    name: '@RJBS/Git::GatherDir'
    version: '2.020'
  -
    class: Dist::Zilla::Plugin::CheckPrereqsIndexed
    name: '@RJBS/CheckPrereqsIndexed'
    version: '0.011'
  -
    class: Dist::Zilla::Plugin::CheckExtraTests
    name: '@RJBS/CheckExtraTests'
    version: '0.021'
  -
    class: Dist::Zilla::Plugin::PromptIfStale
    config:
      Dist::Zilla::Plugin::PromptIfStale:
        check_all_plugins: 0
        check_all_prereqs: 0
        modules:
          - Dist::Zilla::PluginBundle::RJBS
        phase: build
        skip: []
name: '@RJBS/RJBS-Outdated'
version: '0.021'

class: Dist::Zilla::Plugin::PromptIfStale
config:
  Dist::Zilla::Plugin::PromptIfStale:
    check_all_plugins: '1'
    check_all_prereqs: 0
    modules: []
    phase: release
    skip: []
name: '@RJBS/CPAN-Outdated'
version: '0.021'

class: Dist::Zilla::Plugin::PruneCruft
name: '@RJBS/@Filter/PruneCruft'
version: '5.014'

class: Dist::Zilla::Plugin::ManifestSkip
name: '@RJBS/@Filter/ManifestSkip'
version: '5.014'

class: Dist::Zilla::Plugin::MetaYAML
name: '@RJBS/@Filter/MetaYAML'
version: '5.014'

class: Dist::Zilla::Plugin::License
name: '@RJBS/@Filter/License'
version: '5.014'

class: Dist::Zilla::Plugin::Readme
name: '@RJBS/@Filter/Readme'
version: '5.014'

class: Dist::Zilla::Plugin::ExecDir
name: '@RJBS/@Filter/ExecDir'
version: '5.014'

class: Dist::Zilla::Plugin::ShareDir
name: '@RJBS/@Filter/ShareDir'
version: '5.014'

class: Dist::Zilla::Plugin::Manifest
name: '@RJBS/@Filter/Manifest'
version: '5.014'

class: Dist::Zilla::Plugin::TestRelease
name: '@RJBS/@Filter/TestRelease'
class: Dist::Zilla::Plugin::ReportVersions::Tiny
name: '@RJBS/ReportVersions::Tiny'
version: '1.10'

class: Dist::Zilla::Plugin::Prereqs
config:
  Dist::Zilla::Plugin::Prereqs:
    phase: test
    type: requires
    name: '@RJBS/TestMoreWithSubtests'
    version: '5.014'

class: Dist::Zilla::Plugin::PodWeaver
config:
  Dist::Zilla::Plugin::PodWeaver:
    config_plugins:
      - '@RJBS'
    finder:
      - ':InstallModules'
      - ':ExecFiles'
    plugins:
      
        class: Pod::Weaver::Plugin::EnsurePod5
        name: '@CorePrep/EnsurePod5'
        version: '4.006'
      
        class: Pod::Weaver::Plugin::H1Nester
        name: '@CorePrep/H1Nester'
        version: '4.006'
      
        class: Pod::Weaver::Plugin::SingleEncoding
        name: '@RJBS/SingleEncoding'
        version: '4.006'
      
        class: Pod::Weaver::Section::Name
        name: '@RJBS/Name'
        version: '4.006'
      
        class: Pod::Weaver::Section::Version
        name: '@RJBS/Version'
        version: '4.006'
      
        class: Pod::Weaver::Section::Region
        name: '@RJBS/Prelude'
        version: '4.006'
      
        class: Pod::Weaver::Section::Generic

class: Dist::Zilla::Plugin::GithubMeta
name: '@RJBS/GithubMeta'
version: '0.42'

class: Dist::Zilla::Plugin::Git::Check
name: '@RJBS/@Git/Check'
version: '2.020'

class: Dist::Zilla::Plugin::Git::Commit
name: '@RJBS/@Git/Commit'
version: '2.020'

class: Dist::Zilla::Plugin::Git::Tag
name: '@RJBS/@Git/Tag'
version: '2.020'

class: Dist::Zilla::Plugin::Git::Push
name: '@RJBS/@Git/Push'
version: '2.020'

class: Dist::Zilla::Plugin::FinderCode
name: ':InstallModules'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':IncModules'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':TestFiles'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':ExecFiles'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':ShareFiles'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':MainModule'
version: '5.014'

class: Dist::Zilla::Plugin::FinderCode
name: ':AllFiles'
version: '5.014'
use strict;
use warnings;

use Test::More tests => 26;
use Software::LicenseUtils;
use Try::Tiny;

sub _hack_guess_license_from_meta {  
    my $license_str = shift;
    my @guess;
    try {
        my $hack = 'license : ' . $license_str;
        @guess = Software::LicenseUtils->guess_license_from_meta($hack);
    };
    return @guess;
}

my @cpan_meta_spec_licence_name = qw(  
    agpl_3  
    apache_1_1  
    apache_2_0  
    artistic_1  
    artistic_2  
    bsd  
    freebsd  
    gfdl_1_2  
    gfdl_1_3  
    gpl_1  
    gpl_2  
    gpl_3  
    lgpl_2_1  
    lgpl_3_0  
    mit  
    mozilla_1_0  
    mozilla_1_1  
    openssl
perl_5
qpl_1_0
ssleay
sun
zlib
);

foreach my $license_name (@cpan_meta_spec_licence_name) {
    my @guess = _hack_guess_license_from_meta($license_name);
    ok(@guess, "$license_name -> @guess");
}

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('artistic_2', 2) ],
    [ 'Software::License::Artistic_2_0' ],
);

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 2) ],
    [ 'Software::License::GPL_3' ],
);

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 1) ],
    [ ],
);

done_testing;

use strict;
use warnings;

use Test::More tests => 6;

my $class = 'Software::LicenseUtils';
require_ok($class);

my $license = $class->new_from_short_name({
    short_name => 'GPL-1',
    holder => 'X. Ample'
});

is($license->holder, 'X. Ample', '(c) holder');

is($license->year, (localtime)[5]+1900, '(c) year');

isa_ok($license, 'Software::License::GPL_1', "license class");

like($license->name, qr/version 1/i, "license name");

like($license->fulltext, qr/general public/i, "license text");
Revision history for Software-License

0.103010  2014-03-29 22:13:19-04:00 America/New_York
   - fix guess_license_from_pod's return on GPL licenses
     (thanks, Syohei YOSHIDA!)

0.103009  2014-02-20 22:19:45-05:00 America/New_York
   - Updated FSF mailing address in license text for GFDL versions 1.2,
     GPL versions 1 & 2, and LGPL 2.1

0.103008  2013-11-16 22:37:14 America/New_York
   - faster! thanks, charsbar!
   - add new_from_short_name to LicenseUtils for spdx.org-style
     short names; thanks, Dominique Dumont!
   - avoid double trailing dots in expanded licenses; thanks, Dave Rolsky!
   - fix some errors in (3-clause) BSD license text
   - the 2-clause BSD ("FreeBSD") license no longer incorrectly puts
     "FreeBSD" as the owner in the license full text

0.103007  2013-10-26 19:57:05 America/New_York
   fix regex to allow guessing from meta things like perl_5 (thanks,
   Kevin Dawson!)

   replace 'use base' with 'use parent'

0.103006  2013-10-20 14:17:53 America/New_York
   try harder to identify licenses from all installed License classes;
   this is an @INC-scanning change, so be vigilant; thanks, David
   Golden!

0.103005  2012-12-08 16:15:30 America/New_York
   add MPL 2.0 (thanks, Bernhard Amann)

0.103004  2011-11-02 21:44:26 America/New_York
   update FSF's address

0.103003  2011-10-31 23:14:47 America/New_York
   use more direct links to GFDL 1.2 and 1.3

0.103002  2011-06-01 22:34:06 America/New_York
   add GFDL 1.3

0.103001  2011-04-28 07:20:39 America/New_York
   re-import text of GPL 1 and 2 to get new FSF address (RT #67795)

0.103000  2011-03-31 22:31:03 America/New_York
   improve method dependency chains (thanks, Flavio Poletti)
add Custom license to stick the whole license in a file
-- still probably a bit experimental -- thanks, Flavio Poletti

0.102341 2010-12-11 10:22:56 America/New_York
    add note to Artistic 2 that it's GPL compatible

0.102340 2010-08-22 23:25:01 America/New_York
    add PostgreSQL

0.102250 2010-08-13 09:54:29 America/New_York
    alter the output of None to look a bit less repetitive (ABRAXXA)

0.101620 2010-06-11 19:14:03 America/New_York
    LGPL_3_0 now includes GPL_3 in its fulltext (RT #47135)

0.101600 2010-06-09 07:50:11 America/New_York
    "None" should be "restrictive" on 1.4, not "restricted"

0.101410 2010-05-21 07:41:57 America/New_York
    Artistic licenses' meta2_name should not have a trailing _0

0.101370 2010-05-17 19:07:27 America/New_York
    add the meta2_name method for META.json files in schema v2

0.016 2010-05-01
    added the None and CC0_1_0 licenses for the far ends of the spectrum
    (thanks to Brian Phillips for None)

0.015 2010-03-26
    up the Test::More prereq

0.014 2010-03-23
    add meta_name to almost all remaining licenses, and add a test

0.013 2010-03-18
    add meta_name to Artistic 2 (thanks, Bernardo Rechea)

0.012 2009-05-22
    added guess_license_from_meta which is both JSON and YAML compatible
    (BRICAS)

0.011 2009-05-19
    clarify references to Perl in Perl_5 license
    rename things that were YAML-specific to just be "meta"

0.010 2009-04-14
    add url methods where they were missing (Shlomi Fish)
add repo loc to metadata

fix behavior when guessing multiple items from meta.yml
(RT #36805, thanks bricas!)

fix detection of the various GNU licences

refactor inline template logic out to Data::Section

add meta_yml_name method

documentation fixes

_CHANGES THAT WILL BREAK YOUR CODE_

_from_pm is now _from_pod
"guess" methods return a list

_ENHANCEMENTS_

guess_license_from_meta_yml (thanks, Brian Cassidy!)

added Software::LicenseUtils (by request)
added ->url method to licenses
fix POD for Mozilla 1.1
add LGPL 3

minor packaging fixes

pre-release for public evaluation

#!perl
use strict;
use warnings;

use Test::More 0.88;

my @files = <lib/Software/License/*.pm>;

for my $module (@files) {
  # It's retired. Dunno if it's okay to be open_source. Punt!
next if $module =~ /Sun.pm$/;

my $pkg = $module;
$pkg =~ s{^lib/}{};
$pkg =~ s{\pm}${};
$pkg =~ s{/}{::}g;

eval "require $pkg; 1";

ok(defined $pkg->meta_name, "$pkg provide meta_name");
}

done_testing;

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Version 3, 19 November 2007

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#!perl
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use warnings;
use Test::More;
```
use Software::License::Custom;

my $slc = Software::License::Custom->new({
    holder => 'A. U. Thor',
    year   => 1972,
    filename => 't/custom-license'
});
isa_ok($slc, 'Software::License');

is($slc->name, 'The Foo-Bar License', 'name');
is($slc->url, 'http://www.example.com/foo-bar.txt', 'url');
is($slc->meta_name, 'foo_bar_meta', 'meta_name');
is($slc->meta2_name, 'foo_bar_meta2', 'meta_name');
is($slc->notice, <<'END_OF_NOTICE', 'notice');
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END_OF_NOTICE
is($slc->license, <<'END_OF_LICENSE', 'license');
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    Well... this is only some sample text. I'm true... only sample text!!!

    Yes, spanning more lines and more paragraphs.
    END_OF_LICENSE
is($slc->fulltext, <<'END_OF_FULLTEXT', 'fulltext');
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    Well... this is only some sample text. I'm true... only sample text!!!

    Yes, spanning more lines and more paragraphs.
END_OF_FULLTEXT

done_testing;

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```
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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- Don Hillsberry &lt;hillsber@dialcorp.com&gt; - S/Mime testing and debugging.
- Kazuo Furuya &lt;kfuruaya@infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.
- Jason Novotny &lt;jn@lbl.gov&gt; - initial work on the openSSL PEM processing.
- Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.
- John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.
- Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.
- John Serock &lt;js@geotrust.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.
- Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.
- Andre Wehnert &lt;aw5@mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.
- Luigi Lo Iacono &lt;luigloi@nq.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.
- Tim Sakach &lt;tssakach@certivo.net&gt; - SMIME v2 compatibility patches.
- Marcus Povey &lt;mpovey@brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.
- Sebastian Clau&szlig; &lt;sc@tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.
- Nicolas Bielza &lt;nicolas.bielza@alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.
- Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.
- Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SMIME CompressedData.
- Jarek Gawor &lt;gawor@mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.
- Brett Neumeier &lt;random@rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBasic64.
- Graham Coles &lt;graham.coles@retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.
- J&ouml;n von Kattch&eacute;e &lt;J.Kattchee@seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.
- Matteo Artuso &lt;matartuso@libero.it&gt; - picking up the possible overread in ASN1InputStream.
- Julian Morrison &lt;julian@extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.
- Elmar Sonnenschein &lt;eso@esomail.de&gt; - fix to long conversion in clean room SecureRandom.
- Bryan Lovquist &lt;bl@644.com.au&gt; - Other provider compatibility fixes for CMS signing.
- Artem Portnoy &lt;Artem_Portnoy@ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.
- Michael H&auml;lser &lt;haeuser@ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.
- Johan Seland &lt;johans@64netfonds.no&gt; - general toString for BigInteger class.
<li>Johannes Nicolai &lt;johannes.nicolai@novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Marc Doberva &lt;marc.doberva@064ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.</li>
<li>Jan Dvorak &lt;jan.dvorak@064mathan.cz&gt; - initial implementation of the light weight Null block cipher.</li>
<li>Joe Cohen &lt;jcohen@064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong@ece.cm.edu&gt; - adding public key decoding to PEMReader.</li>
<li>Hes Siemelin &lt;hes@064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Piu &lt;stefanpiu@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
<li>Kaiser Yang &lt;kaiseryang@064-yahoo.com&gt; - Finding BigInteger loop problem in prime generation.</li>
<li>Jiri Urbanec &lt;jiri.urbanec@064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().</li>
<li>Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to RSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser &lt;ralfhauser@064gmz.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
<li>Michal Dvorak &lt;M_Dvorak@064kb.cz&gt; - getNextUpdate patch for OCSP SimpleResp.</li>
<li>Klaus Greve Fiorentini &lt;Klaus@064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>
<li>Olivier Refalo &lt;Olivier_Refalo@064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
<li>Mariusz Bandola &lt;mariusz.bandola@cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for dealing with general objects in sequences.</li>
<li>Brien Oberstein &lt;brien.oberstein@transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>
<li>Ian Haywood &lt;ian@064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards &lt;s34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers &lt;Antoon.Bosselaers@064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>
<li>Peter Sylvester &lt;Peter.Sylvester@064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug &lt;ummmmmm@064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes &lt;fsstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.</li>
<li>Perez Paz Luis Alberto &lt;laperez@064banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James_Wright@064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.
Jim Ford &lt;jim@muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

Michael Hauser &lt;haeusler@ponton-consulting.de&gt; - extra aliases for provider.

Sai Pullabhota &lt;psai@linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

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

Lars &lt;xyz@agemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

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

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

Petra Dukem &lt;pdukem@64email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

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

Alpesh Parmar &lt;alps@64linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jengelbach@64webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug &lt;doug@64tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy &lt;mmundy1@umbc.edu&gt; - infinite loop prevention patch to PKCSS2ParametersGenerator.

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

Breitenstrom Christian &lt;c.Breitenstrom@64t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@64cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendoni &lt;nsendoni@64babelsp.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@64iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

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

Miles Whiteley &lt;Miles.Whiteley@64savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@64evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@64evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

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

Joni Hahkala &lt;jonihahkala@64cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

Rolf Schillinger &lt;rolf@64sir-wum.de&gt; - initial implementation of Attribute Certificate generation.

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

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

Atsuhiko Yamanaka &lt;ymnk@jcraft.com&gt; - patch for improving use of Montgomery numbers in
Open Source Used In Cisco Auto Inline Retuner 2.1.0

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

Soren Hilmer &lt;soren.hilmer&#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitchell&#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;D.Eisner&#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.

Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.

Matteo &lt;matartuso&#064libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.paterson&#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov &lt;vladimir.n.molotkov&#064intel.com&gt; - extensive provider exception handling compliance testing.

Florin Kollan &lt;adlocflo&#064web.de&gt; - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliev &lt;paulvas&#064gmail.com&gt; - Initial GOST28147Mac implementation.

Tom Pesman &lt;tom&#064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.

Lukasz Kowalczyk &lt;lukasz.b.kowalczyk&#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.

Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.

Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.

David M. Lee &lt;dmlee&#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.

Mike Dillon &lt;md5&#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung &lt;t2cung&#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.

Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.

Joel Rees &lt;rees&#064064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;bugbee&#064064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher&#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;Brianorourke&#064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier&#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS library.
OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.

- Patch for trailer function in version 2 signature packets.

- RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

- Large field OID sample test data. Missing key types in JDKKeyFactory.

- Addition of CRL writing to the PEMWriter class.

- RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

- Initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

- Patch to fix EOF read on SharedFileInputStream, support for F2m compression.

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

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

- Only handling in CRLProducerStream.

- Mods to GOST-3411 and MD2 to support ExtendedDigest.

- Initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

- Fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

- Initial implementation of NaaccacheStern cipher.

- Fix to SignatureSubpacket critical bit setting.

- Extra toString() support for ASN.1 library. Initial patch for large OID components.


- Support for tags > 30 in ASN.1 parsing.

- First cut of internationalisation, initial PKIX validation classes.
<li>Marius Schilder &lt;mschilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vourch &lt;xavier@064brittanzysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@064cdec.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>
<li>Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim@064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juilusdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Olga Kauflnerl &lt;olga.kaufnerl@064hp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>Nuria Maric &lt;numaa@hotmail.com&gt; - patch for alternate data type recognition in CMSignedDataParser.</li>
<li>Janis Schuller &lt;js@064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSAs, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Julien Pasquier &lt;julienpasquier@064ffree.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pkknopp@064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdz@064rg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi@064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn@064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz@064yahoo.com&gt; - patch to construtor for CRMF CertSequence.
Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@064signatureat.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

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

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

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

Ion Larrañaga &lt;ilarra@ntilde.agal&amp;lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.

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

Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidotor and SMIMESignedMailReviewer.

Robert J. Moore &lt;Robert.J.Moore@allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.

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

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

Torbjorn Svensson &lt;tobbe79@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

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

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

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

Harakiri &lt;harakiri_23@064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

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

Lothar Kimmeringer &lt;job@064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DEREternal, DNS performance fix for SMIME API.

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

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

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

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

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

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

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

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

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

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

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

Tomas Krivanek &lt;tom@064attack.cz&gt; added checking of Sender header to SignedMailValidator.

Michael &lt;emfau@064-t-online.de&gt; correction of field error in getResponse method in CertRepMessage.

Trevor Perrin &lt;trevor@064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.

Markus Kil’aringe &lt;markus@064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;daronis@064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;msmith@064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo@064bitinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;ivo.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;massche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa@064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo@064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociski &lt;J.Sikocinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.

Liane Velten &lt;liane.velten@064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.
Petar Petrov &lt;p.petrov@#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implemnetations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson@#064quest.com&gt; a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xioc.xj@#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Erleriseth &lt;Erleriseth@#064WPECGLtYbVi8Rl6Y7VzI2Lvd2EUVW9v3yNV3JWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny@#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes@#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;phil_b@#064yahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc@#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidén Borell &lt;samuel@#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner@#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington@#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha. reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@#064primekey.se&gt; patch for working arnound JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;tt5555d@#064gmail.com&gt; initial cut of DVCS classes.

Damian Kolas &lt;fatfredyy@#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes@#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev@#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome@#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio@#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi@#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation.
problems. <li>Eric M&uuml;ller &lt;eric.mueller&#064sage.de&gt;: additional standard algorithm name lookups in JcaPEMKeyConverter. </li>
<li>Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt;: fix to inOff usage in RFC3394WrapEngine.</li>
<li>Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt;: addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li>Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt;: contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;andreyultikniv&#064gmail.com&gt;: patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Arnis Tartu &lt;arnis&#064ut.ee&gt;: checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>AxelVDB &lt;axel-vdb&#064riseup.net&gt;: initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;roberto.tyley&#064gmail.com&gt;: further work on completing gradle build.</li>
<li>Waldemar Dick &lt;waldemar.dick&#064devmue.de&gt;: code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward&#064pdfilabs.com&gt;: code improvements to ASN1Boolean.</li>
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<li>AxelVDB &lt;axel-vdb&#064riseup.net&gt;: initial implementation of Shacal2.</li>
Derek Atkins &lt;derek@ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.

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

lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.

Thomas Belot &lt;thomas.belot+BC@gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.

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

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

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

Michael &lt;MSKnete@web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

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

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

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

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

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

Sebastian Oerding &lt;https://github.com/sebastian.ording@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.

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

Benoit Charles &lt;benoit.charles@opentrust.com&gt; Fix for IES data length check on decryption.

Niko &lt;nfink95@064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.

akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.

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

Lucas Deputat &lt;lucask.deputat@064gmail.com&gt; Fixed bugs in TsUtils read methods [#BJA-592].

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

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

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

Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.

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

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

Joseph Naegle &lt;jnaegle@064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.

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

Gorka Ira佐qui &lt;https://girazoki@wpi.edu&gt;: from Intel Security Center of Excellence &lt;https://security-center.intel.com&gt;: detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;https://github.com/joerg.senekowitsch&gt;: patch to deal with hard coded boolean in EAC ECDSA PublicKey.


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Joerg Senekowitsch &lt;https://github.com/joerg.senekowitsch&gt;: patch to deal with hard coded boolean in EAC ECDSA PublicKey.
Cipher.doFinal().</li>
<li>Bernd &lt;https://github.com/ekci&gt;; Fix to make PGPUUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt;: Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt;: bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt;: update to OpenPGP package to handle a broader range of EC curves.</li>
<li>catbref &lt;https://github.com/catbref&gt;: sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt;: detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu@#064gmail.com&gt;: identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt;: patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier@#064gmail.com&gt;: initial version of Argon2 PBKDF algorithm.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt;: JavaDoc patches to ReasonsMask.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt;: corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt;: improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt;: performance optimisation in RSAKeyParameters.</li>
<li>Gillis95 &lt;https://github.com/Gillis95&gt;: improved JSSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt;: Javadoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/atoulme&gt;: Initial implementation of EthereumIIESEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt;: Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&eacute;r &lt;https://github.com/truesec&gt;: Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt;: Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt;: Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt;: Initial implementation of Blake2xs.</li>
<li>gaellalire &lt;https://github.com/gaellalire&gt;: Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hatchan &lt;https://github.com/hitchan&gt;: Fix for typo in engineInitSign() in EdEc: SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt;: Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt;: Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt;: Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsaly&gt;: addition of PBKDF2withHmacSM3 to the provider.
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;tobias@064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>

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* /opt/cola/permits/1136761987_1613867452.3/0/spring-cloud-netflix-archaius-2-1-2-release-sources-2-
jar/org/springframework/cloud/netflix/archaius/ConfigurableEnvironmentConfiguration.java
* /opt/cola/permits/1136761987_1613867452.3/0/spring-cloud-netflix-archaius-2-1-2-release-sources-2-
jar/org/springframework/cloud/netflix/archaius/ArchaiusDelegatingProxyUtils.java
* /opt/cola/permits/1136761987_1613867452.3/0/spring-cloud-netflix-archaius-2-1-2-release-sources-2-
jar/org/springframework/cloud/netflix/archaius/ArchaiusEndpoint.java
* /opt/cola/permits/1136761987_1613867452.3/0/spring-cloud-netflix-archaius-2-1-2-release-sources-2-
jar/org/springframework/cloud/netflix/archaius/ArchaiusAutoConfiguration.java

1.488 byte-buddy 1.9.4

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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Frame.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/MethodTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/SignatureVisitor.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Type.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ModuleWriter.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/SymbolTable.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/FieldWriter.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ConstantDynamic.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ClassReader.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/ClassTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/TypePath.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Context.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Symbol.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/jar/asm/Handle.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/MethodCall.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/HasSuperTypeMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/build/Plugin.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/DeclaringAnnotationMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/assign/primitive/VoidAwareAssigner.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/modifier/MethodStrictness.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/subclass/ConstructorStrategy.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/SubTypeMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/type/package-info.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/package-info.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/auxiliary/AuxiliaryType.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/field/FieldList.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/ClassFileLocator.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/MethodParameterTypesMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/modifier/ParameterManifestation.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/modifier/MethodManifestation.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/SuperTypeMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/SuperMethod.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/InstrumentedType.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/Implementation.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/CollectionSizeMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/type/TypeDefinition.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/TypeInitializer.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/inline/InliningImplementationMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/BindingPriority.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/DefaultMethod.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/loading/ClassReloadingStrategy.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/modifier/Visibility.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/loading/InjectionClassLoader.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/ClassWriterStrategy.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/Pipe.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/Removal.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/member/HandleInvocation.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/build/BuildLogger.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/ModifierMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/TypeVariableSource.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/StackSize.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/PrimitiveTypeMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/assign/reference/package-info.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/RuntimeType.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/inline/RedefinitionDynamicTypeBuilder.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/visitor/StackAwareMethodVisitor.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/subclass/SubclassDynamicTypeBuilder.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/ArgumentTypeResolver.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/method/MethodList.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/member/FieldAccess.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/package-info.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/MethodCache.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/DefinedShapeMatcher.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/TypeValidation.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/asm/Advice.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/loading/ByteArrayClassLoader.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/NameMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/Default.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/StringMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/modifier/Ownership.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/collection/CollectionFactory.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/description/method/package-info.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bytecode/collection/package-info.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/matcher/MethodSortMatcher.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/scaffold/MethodGraph.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/TargetMethodAnnotationDrivenBinder.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/agent/builder/LambdaFactory.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/Morph.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/loading/PackageDefinitionStrategy.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/bind/annotation/Super.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/dynamic/TargetType.java
* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/asm/ModifierAdjustment.java
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* /opt/ws_local/PERMITS_SQL/1074307545_1595728037.67/0/byte-buddy-1-9-4-sources-jar/net/bytebuddy/implementation/MethodDelegation.java
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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

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

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"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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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data
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Appendix: How to Apply These Terms to Your New Libraries

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

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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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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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
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lib/gssapi/mechglue/g_userok.c

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the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/fse_decompress.c

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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-
  1.3.3/zstd/lib/common/bitstream.h

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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/entropy_common.c
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 * Found in path(s):
 * /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/huf.h
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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v04.c
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v03.c
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v06.c
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/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v02.c */
*/

/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/zstd.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v02.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v01.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/zstd_internal.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/pool.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/pool.c */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v06.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_opt.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_compress.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_decompress.c */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstdmt_compress.h */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_double_compress.c */
/* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_double_compress.c */
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_double_fast.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/compiler.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v04.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v05.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/zstd_common.c
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_lazy.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v03.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/zstd_errors.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_legacy.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_lazy.c
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/error_private.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/common/error_private.c
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_compress_internal.h
* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/legacy/zstd_v07.h

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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/fse_compress.c
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* /opt/ws_local/PERMITS_SQL/1038327947_1589438971.26/0/zstd-1-3-3-tar-gz/zstd-1.3.3/zstd/lib/compress/zstd_ldm.c
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  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta name="description" content="Home page of The Apache Software Foundation">
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<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
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<body>

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<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
</div>
</div>
</nav>
</header>

</body>
</html>
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1.507 logstash-input-couchdb_changes 3.1.6

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The following is a list of people who have contributed ideas, code, bug reports, or in general have helped logstash along its way.

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1.508 python 2.7.5 88.el7

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.513 python-backports-ssl-match-hostname
3.5.0.1-1.ph3
1.514 perl 5.28.1-6+deb10u1

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    analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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    analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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1.523 springfox-core 2.9.2

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*/opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/service/OAuth.java
*/opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/builders/OperationBuilder.java
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  jar/springfox/documentation/RequestHandler.java
* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-
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* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/builders/ParameterBuilder.java
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* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/builders/AlternateTypePropertyBuilder.java
* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/builders/AlternateTypeBuilder.java
* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-jar/springfox/documentation/schema/AlternateTypeRuleConvention.java
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  jar/springfox/documentation/service/Header.java
* /opt/cola/permits/1177939693_1625570709.22/0/springfox-core-2-9-2-sources-3-
  jar/springfox/documentation/RequestHandlerKey.java

1.524 jruby 9.2.7.0

1.525 confluent-docker-utils 0.0.20
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1.526 spring-web-mvc 5.1.8.RELEASE

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* of objects into Source implementations. See [getSourceTypes() here]
* for more details.
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [setOutputProperties output properties]
* to be passed to the Transformer.
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
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  jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
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  jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
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  jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
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  jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
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* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2-
  jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2-
  jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java

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* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2.jar/org/springframework/web/servlet/tags/form/CheckboxTag.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2.jar/org/springframework/web/servlet/tags/BindErrorsTag.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2.jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2.jar/org/springframework/web/servlet/mvc/method/AbstractHandlerMethodAdapter.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2.jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistry.java
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* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2-jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java
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jar/org/springframework/web/servlet/config/annotation/RedirectViewControllerRegistration.java
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jar/org/springframework/web/servlet/view/InternalResourceView.java
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jar/org/springframework/web/servlet/resource/HttpResource.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2-
jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
* /opt/cola/permits/1136220960_1613710167.47/0/spring-webmvc-5-1-8-release-sources-2-
jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
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**
** A contract for inspecting and potentially modifying request data values such
as URL query parameters or form field values before they are rendered by a
view or before a redirect.
**
<p>Implementations may use this contract for example as part of a solution
to provide data integrity, confidentiality, protection against cross-site
request forgery (CSRF), and others or for other tasks such as automatically
adding a hidden field to all forms and URLs.
<p>View technologies that support this contract can obtain an instance to
delegate to via RequestContext#getRequestDataValueProcessor()
<p>@author Rossen Stoyanchev
@since 3.1
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---
tardown:
- do:
  license.post:
    acknowledge: true
    body: |
    {"licenses":[{"uid":"3aa62ffe-36e1-4fad-bfde-9df8301eb22","type":"trial","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAAABAAAAA2WNcuc+DT0lrlnYZKA AAAIAo5/x6hrsGh1GqqrJmy4qgmEC7gK0U4zQ6q5ZEMhn4jAAAABEn6fG9y2xKBu2T3Dhhf56kzQQOD COOhr0y2d17Z7lq7zvycPCWNS1aR33Gh1HkTERT0ysML0xMH/gXavhyRvMBndJj0UBKzuwpTawSlnx Ytcq8nSBlvjC7Ki+ui1SpcILLC2ZP9fknMrqkWqXgBTw7nXzg9Drkw6wvnp/tPQ9j7ceP8VTk6nW Fen7/h CFDFTQFQ0jQvd+n7A1PacHGNxGfdBMvMwDXCGxGwkRf3c1o9/advd+iSyh1Sp9mN7gwsvBAKtALFr pH2EXYYbOsPbUw8yMrgErLg1k3/CbS0pCWLoAxlTMayosdZOjagU3auZXY=","start_date_in_millis":-1}]
---

"Installing and getting license works":

## current license version
- do:
  license.post:
    acknowledge: true
    body: |
    {"licenses":[{"uid":"894371dc-9f49-4997-93cb-8o2e3r7fa6a8","type":"trial","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1916956799999,"max_nodes":1,"issued_to":"issuer","issuer":"issuer","signature":"AAAAAGAa0FWH0T9jltJQ2qammAAABmC9ZlNOhjZDBBYnVYRxPcOW5Bb3fjZDAXxOWpSBITvoMVzUzRxVkiPSmkaxxZdW5IMhITHNOzn12MXXm vRFk4d3JZTEz3R3RZ0pU3lbWJkZnQvSEFvao0ppTH8kWprpZWZSQi9INmRQKwit1SlpL01dAlZCS095MM XRGNIIZlpYvVVTnFrcTE2dzjHlZnZrdFQrN3JQeGwxb0U0MXZ0dDHHESpZTVLOHnxSDByWnpoZEpHZHEZjUrTVbxRENSNxSwWjZllaODZdYmEzUjNiWktNWGM5TUqV2plaUo4Q1JOuml4MXNuL0pSOEhQa

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body:

"licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"subscription","subscription_type":"gold","issue_date_in_millis":1411948800000,"feature":"shield","expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":null,"issuer":null,"signature":null,"AAAQAQAAAA0LVAywwpSH94cyXr4AAABmC9ZN0hjZDBGYnVyRXpCOW5Bb3fJZDAXOWpSbTvO MVZwUrzRvKIPmnkaxZxD51MihlTHNoN1N2MXMVrFk4d3JTZE3X3RRZ0pzU3lobWJKZnQvSEFva0pp THBKwKprZWZSQi9iNmRQNkw1SlpL0lIDalZCS095MXRN1lIzlpYcVTTmFrCETd2zdJznzDQrN3jQeG wxboU0MXX0dDJHESERIZTZVLOHNzSDByWnpoZEpHZBZEjUrTVBxRENSNSXnsWWjtZJlaoDzdVMeEZjtNi WktNWGM5TUhQV2paUo4Q1JOUm4MXNuL0pSOEhQaVB2azhmUk9QVzhFeFCmF1Q0RnJXSGM5Wk2K 055c28zSmRnVfK1bJSQkFLV2VXmVHNDZ2R3o2VE1qbVQNS2lxOHN5bUerZlNIWKZSVmZIWEtEaSU9w TTJENDvTvNTNCYklacUyK2FwR9xoa6tdDmbmMzSGQc3FwOTGzZ3ZUCmXvQkt2RUZwMFJzNzlvL2d2 bDRWUzh6UG5pdENGFWRenXNKKnE9QPAAAQA4qsc/URRZvdFoLwgy9dqybYEQLW8YLkikiAyPV5Y8HHH dtk+dzIeplNFDkUXhxSx2waVJsNRF8/4kqplDFwnoD2TUM8fTgiIfisYGDTTGST+yW5eAveEU5jv1iBN27b wkql+V4yaA0Tcm7NKKnjseWKAHItUv3e8chPkfICHE0kQgVwPC9R9y2pTw0s6uR4PILFNGFqPM0uiE5n ucftVrtj89jQi0kA/Ka/ZyFbo7TNXzQ777ZWBCP9kJiptXzcWuk08Q5S+rSoJNYbFo3HGKtrCVRsZ/55rceNtd wKKXu1InwSeir4IlKlDuQTtFLy0+1t87SV8T88UT"}]

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }

## multiple licenses version: 1.x

do:

license.post:
  acknowledge: true

body:


```json
-
- match: { license_status: "valid" }
-
- do:
  - license.get: {}
-
- length: { license: 11 }
- match: { license.uid: "893361dc-9749-4997-93cb-802e3dofh7aa" }  
---
"Should throw 404 after license deletion":  
- do:
  - license.delete: {}
  - match: { acknowledged: true }
  - do:
    - license.get: {}
    - catch: missing
---
"Should install a feature type license":

# VERSION_NO_FEATURE_TYPE license version
- do:
  - license.post:  
    acknowledge: true
    body: |
    "license": "{"uid":"893361dc-9749-4997-93cb-802e3dofh7aa" 
```
---

- match: { license_status: "valid" } 

- do: 
  license.get: {} 

- length: { license: 11 } 

---

"Cannot start basic": 

- do: 
  catch: bad_request 
  license.post: 
    acknowledge: true 
    body: |

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_license/start_basic API to install a basic license that does not expire.' } 

---

"Should fail gracefully when body content is not provided": 

- do: 
  catch: bad_request 
  license.post: 
    acknowledge: true 
    body: |
      
- match: { error.root_cause.0.reason: 'The license must be provided in the request body' } 

---

"Current license is trial means not eligible to start trial": 

- do: 
  catch: bad_request 
  license.post: 
    acknowledge: true 
    body: |

- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_license/start_basic API to install a basic license that does not expire.' } 

---

"Should fail gracefully when body content is not provided": 

- do: 
  catch: bad_request 
  license.post: 
    acknowledge: true 
    body: |

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' } 

---

"Current license is trial means not eligible to start trial": 


- do:
  license.get_trial_status: { }

- match: { eligible_to_start_trial: false }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  license.get_trial_status: { }

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

---
"Trial license cannot be basic":
- do:
  catch: bad_request
  license.post_start_trial:
    type: "basic"
    acknowledge: true

---
"Can start basic license if do not already have basic":
- do:
  license.get_basic_status: { }

- match: { eligible_to_start_basic: true }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  license.get_basic_status: { }

- match: { eligible_to_start_basic: false }
- do:
  catch: forbidden
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }  
---
"Must acknowledge to start basic":
- do:
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }  
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* https://github.com/eclipse-ee4j/javamail

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```java
>>> Delete License
```

The license can be deleted using the `deleteLicense()` method:

```java
>>> Execution
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which
returns true if the request was processed by all nodes.

```java
>>> Response
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.
Asynchronous Execution

This request can be executed asynchronously:

```java
include-tagged:{[doc-tests]/LicensingDocumentationIT.java[delete-license-execute-async]}
```

1. The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes.

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
include-tagged:{[doc-tests]/LicensingDocumentationIT.java[delete-license-execute-listener]}
```

1. Called when the execution is successfully completed. The response is provided as an argument.
2. Called in case of failure. The raised exception is provided as an argument.

Nimbus OAuth 2.0 SDK with OpenID Connect extensions

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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.salaranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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[role="xpack"]
[[license-settings]]

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
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--- Update license API

This API enables you to update your license.

[request]

`PUT /_license`

--- Description

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.
Query Parameters

`acknowledge`:
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

Request Body

`licenses`:
(array) A sequence of one or more JSON documents containing the license information.

Authorization

If {es} {security-features} are enabled, you need `manage` cluster privileges to install the license.

If {es} {security-features} are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

Examples

The following example updates to a basic license:

[source,js]

```javascript
POST /_license
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to":"issuedTo",
      "issuer":"issuer",
      "signature":"xx"
    }
  ]
}
```
NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

```json
{
    "acknowledged": false,
    "license_status": "valid",
    "acknowledge": {
        "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"
    },
    "watcher": [
        "Watcher will be disabled"
    ]
}
```
"logstash": [
"Logstash will no longer poll for centrally-managed pipelines"
],
"security": [
"The following X-Pack security functionality will be disabled: ..."]
}
}

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

[source,js]

POST /_license?acknowledge=true
{
  "licenses": [
  
  "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
  "type":"basic",
  "issue_date_in_millis":1411948800000,
  "expiry_date_in_millis":1914278399999,
  "max_nodes":1,
  "issued_to":"issuedTo",
  "issuer":"issuer",
  "signature":"xx"
  ]
}

// CONSOLE

// TEST[skip:license testing issues]

Alternatively:

[source,sh]

curl -XPUT -u elastic 'http://<host>:<port>/_license?acknowledge=true' -H "Content-Type: application/json" -d @license.json

// NOTCONSOLE

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Code generated by the Protocol Buffer compiler is owned by the owner
of the input file used when generating it. This code is not
standalone and requires a support library to be linked with it. This
This API enables you to delete licensing information.

### Request

`DELETE /_license`

### Description

When your license expires, {xpack} operates in a degraded mode. For more information, see {xpack-ref}/license-expiration.html[License Expiration].

### Authorization

You must have `manage` cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

### Examples

The following example queries the info API:

```js
DELETE /_license
// CONSOLE
// TEST[skip:license testing issues]
```

When the license is successfully deleted, the API returns the following response:

```js
`

"acknowledged": true
```
// NOTCONSOLE
this is a test license file
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---

This API enables you to retrieve licensing information.

---

### Request

```
GET /_license
```

---

### Description

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

---

### Query Parameters

`local`:

(boolean) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.
==== Authorization

You must have `monitor` cluster privileges to use this API. For more information, see
{xpack-ref}/security-privileges.html[Security Privileges].

==== Examples

The following example provides information about a trial license:

[source,js]

```json
GET /_license

// CONSOLE

```
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***The art of simplicity is a puzzle of complexity.***

## Overview ##

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

SnakeYAML is a YAML processor for the Java Virtual Machine.

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

## Info ##
* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##
* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

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The license can be added or updated using the `getLicense()` method:

```java

The returned `GetLicenseResponse` contains the license in the JSON format.

```

<1> The text of the license.
```

Asynchronous Execution
This request can be executed asynchronously:

```java
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-async]
```

<1> The `GetLicenseRequest` to execute and the `ActionListener` to use when the execution completes.

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-listener]
```

<1> Called when the execution is successfully completed. The response is provided as an argument.

<2> Called in case of failure. The raised exception is provided as an argument.

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The license can be added or updated using the `putLicense()` method:
<1> Set the categories of information to retrieve. The default is to return no information which is useful for checking if `{xpack}` is installed but not much else.

<2> A JSON document containing the license information.

---

<1> The status of the license
<2> Make sure that the license is valid.
<3> Check the acknowledge flag. It should be true if license is acknowledged.
<4> Otherwise we can see the acknowledge messages in `acknowledgeHeader()`
<5> and check component-specific messages in `acknowledgeMessages()`.

---

This request can be executed asynchronously:

---

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.
A typical listener for `PutLicenseResponse` looks like:

```java
["source","java",subs="attributes,callouts,macros"]
```

Include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-listener]

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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1.532 spring-web 5.1.8.RELEASE

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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/http/client/Netty4ClientHttpResponse.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/http/client/AsyncClientHttpRequestFactory.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/http/client/OkHttp3AsyncClientHttpRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/AsyncWebApplicationException.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeWebRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/AsyncWebRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/CompositeWebRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/CompositeWebResponse.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultAsyncWebRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultAsyncWebResponse.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultWebRequest.java
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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeAsyncWebResponse.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeWebRequest.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeWebResponse.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/AsyncRequestWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/AsyncResponseWrapper.java
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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/CompositeResponseWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultAsyncRequestWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultAsyncResponseWrapper.java
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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/DefaultResponseWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeAsyncRequestWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeAsyncResponseWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeRequestWrapper.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/context/request/NativeResponseWrapper.java
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  jar/org/springframework/web/multipart/MultipartHttpServletRequest.java

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  jar/org/springframework/web/server/WebFilter.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-
  jar/org/springframework/web/server/ServerWebInputException.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-
  jar/org/springframework/web/context/request/RequestContextListener.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-
  jar/org/springframework/convert/HttpMessageNotWritableException.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-
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```
# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ============================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
```
# application/load-control+xml
application/lost+xml
# application/lostsync+xml
# application/lxf
application/mac-binhex40
application/mac-compactpro
# application/macwriteii
application/mads+xml
application/marcmrc
application/marcrexml
application/mathematica
application/mathml+xml
# application/mathml-content+xml
# application/mathml-presentation+xml
# application/mbms-associated-procedure-description+xml
# application/mbms-deregister+xml
# application/mbms-envelope+xml
# application/mbms-msk+xml
# application/mbms-msk-response+xml
# application/mbms-protection-description+xml
# application/mbms-reception-report+xml
# application/mbms-register+xml
# application/mbms-register-response+xml
# application/mbms-schedule+xml
# application/mbms-user-service-description+xml
application/mbox
# application/media-policy-dataset+xml
# application/media_control+xml
application/mediaservercontrol+xml
# application/merge-patch+json
application/metalink+xml
application/metalink4+xml
application/mets+xml
# application/mf4
# application/mikey
application/mods+xml
# application/moss-keys
# application/moss-signature
# application/mosskey-data
# application/mosskey-request
application/mp21+xml
application/mpeg4-generic
# application/mpeg4-iod
# application/mpeg4-iod-xmt
# application/mrb-consumer+xml
# application/mrb-publish+xml
# application/msc-ivr+xml
application/prs.cww
# application/prs.hpub+zip
# application/prs.nprend
# application/prs.plucker
# application/prs.rdf-xml-crypt
# application/prs.xsf+xml
application/pskc+xml
# application/qsig
# application/raptorfec
# application/rdap+json
application/rdf+xlrd
application/reginfo+xmlrlf
application/relax-ng-compact-syntax
# application/remote-printing
# application/reputon+json
application/resource-lists+xmlrl
application/resource-lists-diff+xmlrlld
# application/rfc+xml
# application/riscos
# application/rmi+xml
application/rls-services+xmlrls
application/rpki-ghostbusters+gbr
application/rpki-manifest+xmlrft
application/rpki-roa+xmlroa
# application/rpki-updown
application/rsd+xmlrsd
application/rss+xmlrss
application/rtfrtf
# application/rtploopback
# application/rtx
# application/samlassertion+xml
# application/samlmetadata+xml
application/sbml+xmlsbml
# application/scaip+xml
# application/scim+json
application/scvp-cv-request+scq
application/scvp-cv-respondesecs
application/scvp-vp-request+spq
application/scvp-vp-responsespp
application/sdpsdp
# application/sep+xml
# application/sep-exi
# application/session-info
# application/set-payment
application/set-payment-initiation+setpay
# application/set-registration
application/set-registration-initiation+setreg
# application/sgml
# application/vnd.api+json
application/vnd.apple.installer+xml
application/vnd.apple.mpegurl+xml
# application/vnd.arastra.swi
application/vnd.aristanetworks.swi+xml
# application/vnd.artsquare
application/vnd.astraea-software.iota+iota
application/vnd.audiograph+apep
# application/vnd.autopackage
# application/vnd.avistar+xml
# application/vnd.balsamiq.bmml+xml
# application/vnd.balsamiq.bmp
# application/vnd.bekitzur-stech+json
# application/vnd.biopax.rdf+xml
application/vnd.blueice.multipass+xml
# application/vnd.bluetooth.ep.oob
# application/vnd.bluetooth.le.oob
application/vnd.bmi+xml
application/vnd.businessobjects+rep
# application/vnd.cab-jscript
# application/vnd.canon-cpdl
# application/vnd.canon-lips
# application/vnd.cendio.thinlinc.clientconf
# application/vnd.century-systems.tcp_stream
application/vnd.chemdraw+xml+cdxml
# application/vnd.chess-pgn
application/vnd.chipnuts.karaoke-mmd+mmd
application/vnd.cinderella+cdy
# application/vnd.cirpack.isdn-ext
# application/vnd.citationstyles.style+xml
application/vnd.claymore+cla
application/vnd.cloanto.rp9+rp9
application/vnd.clonk.c4group+g c4d c4f c4p c4v
application/vnd.cluetrust.caromobile-config+cl1amc
application/vnd.cluetrust.caromobile-config-pkg+cl1amz
# application/vnd.coffeescript
# application/vnd.collection+json
# application/vnd.collection.doc+json
# application/vnd.collection.next+json
# application/vnd.comicbook+zip
# application/vnd.commerce-battelle
application/vnd.commons+sp
application/vnd.contact.cmsg+cdbcmsg
# application/vnd.coreos.ignition+json
application/vnd.cosmocaller+cmc
application/vnd.crick.clicker+clkx
application/vnd.crick.clicker.keyboard+clkk
application/vnd.crick.clicker.palette+clkp
# application/vnd.etsi.pstn+xml
# application/vnd.etsi.sci+xml
# application/vnd.etsi.simservs+xml
# application/vnd.etsi.timestamp-token
# application/vnd.etsi.tsl+xml
# application/vnd.etsi.tsl.der
# application/vnd.eudora.data
application/vnd.ezpix-albumez2
application/vnd.ezpix-packageez3
# application/vnd.f-secure.mobile
# application/vnd.fastcopy-disk-image
application/vnd.fdf
application/vnd.fdsn.mseed
application/vnd.fdsn.seedseed dataless
# application/vnd.ffsns
# application/vnd.filmit.zfc
# application/vnd.fints
# application/vnd.firemonkeys.cloudcell
application/vnd.flographitgph
application/vnd.fluxtime.clipftc
# application/vnd.font-fontforge-sfd
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application/vnd.frogans.fncfnc
application/vnd.frogans.lfftlf
application/vnd.fsc.weblaunchfsc
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application/vnd.fujitsu.oasys2oa2
application/vnd.fujitsu.oasys3oa3
application/vnd.fujitsu.oasysgpfg5
application/vnd.fujitsu.oasysprsbh2
# application/vnd.fujixerox.art-ex
# application/vnd.fujixerox.art4
application/vnd.fujixerox.d4dd4dd
generation
application/vnd.fujixerox.docuworksxdw
application/vnd.fujixerox.docuworks.binderbd
# application/vnd.fujixerox.docuworks.container
# application/vnd.fujixerox.hbpl
# application/vnd.fut-misnet
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application/vnd.genomatix.tuxedotzd
# application/vnd.geo+json
# application/vnd.geocube+xml
application/vnd.geogebra.fileggb
application/vnd.geogebra.toolggt
application/vnd.geometry-explorer gre
application/vnd.geonextgxt
application/vnd.geoplange2w
application/vnd.geospaceg3w
# application/whoispp-response
application/widgetwgt
application/winhlphlp
# application/wita
# application/wordperfect5.1
application/wsd+xmlmlwsdl
application/wspolicy+xmlmlwspolicy
application/x-7z-compressed7z
application/x-abiwordabw
application/x-ace-compressedace
# application/x-amf
application/x-apple-diskimagedmg
application/x-authorware-binaab x32 u32 vox
application/x-authorware-mapaam
application/x-authorware-segaas
application/x-bcpiobcpio
application/x-bittorrenttorrent
application/x-blorbblorb
application/x-bzibbz
application/x-bzips2z2 boz
application/x-cbrcbrcb cba cbc cbz cb7
application/x-cdlinkvcd
application/x-cfs-compressedcfs
application/x-chatchat
application/x-chess-pgnpgn
# application/x-compress
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application/x-cpiocpio
application/x-cshcsh
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application/x-dgc-compresseddgc
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application/x-tex
application/x-tex-tfm
application/x-texinfo
application/x-tgif
application/x-ustar
application/x-wais-sourcesrc
# application/x-www-form-urlencoded
application/x-x509-ca-cert
application/x-xfig
application/x-xpinstall
application/x-xz
application/x-zmachine
# application/x400-bp
# application/xacml+xml
application/xaml+xml
# application/scap-att+xml
# application/scap-caps+xml
application/xcap-diff+xml
# application/scap-el+xml
# application/scap-error+xml
# application/scap-ns+xml
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# application/xcon-conference-info-diff+xml
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application/xhtml+xml
# application/xhtml-voice+xml
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# application/xml-external-parsed-entity
# application/xml-patch+xml
# application/xmpp+xml
application/xop+xml
application/xproc+xml
application/xslt+xml
application/xspf+xml
# application/xml-external-parsed-entity
# application/xml-patch+xml
# application/xmpp+xml
application/xop+xml
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application/xspf+xml
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application/xv+xml
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# audio/rtploopback
# audio/rtx
audio/s3ms3m
daudio/silksil
# audio/smv
# audio/smv-qcp
# audio/smv0
# audio/sp-midi
# audio/speex
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# video/vp8
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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/HttpMediaTypeException.java
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* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/web/util/HierarchicalUriComponents.java
* /opt/cola/permits/1136220870_1613710183.17/0/spring-web-5-1-8-release-sources-2-jar/org/springframework/http/server/reactive/AbstractServerHttpResponse.java
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 * Return the web session for the current request. Always guaranteed to
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 * method does not automatically create a session. See {@link WebSession}
 * for more details.
 */

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On all platforms, Nmap is normally linked with:
- **libdnet**: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS. [http://code.google.com/p/libdnet/](http://code.google.com/p/libdnet/)
- **PCRE**: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory. [http://www.pcre.org/](http://www.pcre.org/)
- **liblua**: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive. [http://www.lua.org/](http://www.lua.org/)
- **OpenSSL**: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive. [http://www.openssl.org/](http://www.openssl.org/)
- **libsvn**: The Subversion library, used by the updater program nmap-update. [http://subversion.apache.org/](http://subversion.apache.org/)

On Windows only, Nmap uses:
- **WinPcap**: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/wincap. [http://www.winpcap.org/](http://www.winpcap.org/)
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Zenmap and Ndiff require:
- Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
  http://www.python.org/

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- GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
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- Various X.org libraries. These were built using MacPorts.
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

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

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

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

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
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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
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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b) You must cause the files modified to carry prominent notices
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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.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the
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1.543 logstash-codec-cef 6.0.0

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1.545 logstash-output-file 4.2.6

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1.546 go-patricia v2.3.1

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1.547 libmodule-build-perl 0.421000-2+deb8u1

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FULLTEXT

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

if (eval { require CPAN::Meta; CPAN::Meta->VERSION(2.142060) }) {
    plan('no_plan');
    require CPAN::Meta::YAML;
    require Parse::CPAN::Meta;
} else {
    plan(skip_all => 'No or old CPAN::Meta');
}

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

#------------------------------------------------------#
# Create test distribution
#------------------------------------------------------#

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

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

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

is_deeply( $meta->[ license ] => [ 'perl_5' ], "META license will be 'perl'" );
is_deeply( $meta->[ resources ][ license ], [ "http://dev.perl.org/licenses/" ],
   "META license URL is correct" );

}

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

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

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

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

is_deeply( $meta->[ license ] => [ 'unrestricted' ], "META license will be 'unrestricted'" );
is_deeply( $meta->[ resources ][ license ], [ "http://example.com/vaporware/" ],
   "META license URL is correct" );
}

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

1.548 certifi 2020.4.5.1
1.548.1 Available under license:
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:
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 $

1.549 patch 2.7.5-1+deb8u3
1.549.1 Available under license:
This is Debian's prepackaged version of patch, Larry Wall's program that allows you to apply diffs to a file automagically.

The current maintainer for this package is Laszlo Boszormenyi (GCS) <gcs@debian.org>.

Previous maintainers were Bill Mitchell <mitchell@mdd.comm.mot.com>, Darren Stalder <torin@daft.com>, Adrian Bunk <bunk@fs.tum.de>, Michael Fedrowitz <michaelf@debian.org> and Christoph Berg <myon@debian.org>.


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

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1.552 librunicstring 0.9.10 1

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* /opt/cola/permits/1136221049_1613710143.11/0/spring-expression-5-1-8-release-sources-2-jar/org/springframework/expression/spel/InternalParseException.java

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* /opt/cola/permits/1136221049_1613710143.11/0/spring-expression-5-1-8-release-sources-2-
  jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
* /opt/cola/permits/1136221049_1613710143.11/0/spring-expression-5-1-8-release-sources-2-
  jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/cola/permits/1136221049_1613710143.11/0/spring-expression-5-1-8-release-sources-2-
  jar/org/springframework/expression/spel/ast/OperatorBetween.java
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fields:
  site: string
  author: root

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1.573 jetty-io 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

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Oracle

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

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

------

Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

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

------

MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Found in path(s):
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/cache/interceptor/CompositeCacheOperationSource.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/annotation/Import.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/support/GenericApplicationContext.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/event/ApplicationEventMulticaster.java
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  jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
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  jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java
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  jar/org/springframework/context/event/EventListenerMethodProcessor.java
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  jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
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  jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/scheduling/annotation/Async.java
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  jar/org/springframework/context/scheduling/annotation/Scheduled.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/validation/DataBinder.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
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* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-
  jar/org/springframework/context/annotation/ConfigurationClassUtils.java

jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
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* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/event/EventExpressionEvaluator.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/support/SimpleThreadScope.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/scripting/support/StandardScriptFactory.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/ui/ModelMap.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
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 *
 * A condition is any state that can be determined programmatically
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 *
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 * @Configuration, including Configuration classes
 * as a meta-annotation, for the purpose of composing custom stereotype
 * annotations
 * as a method-level annotation on any @Bean method
 *
 * If a @Configuration class is marked with @Conditional, all of the
 * @Bean methods, @Import annotations, and
 * @ComponentScan annotations associated with that
 * class will be subject to the conditions.
 *
 * NOTE: Inheritance of @Conditional annotations
 * is not supported; any conditions from superclasses or from overridden
 * methods will not be considered. In order to enforce these semantics,
 * @Conditional itself is not declared as
 * java.lang.annotation.Inherited; furthermore, any
 * custom composed annotation that is meta-annotated with
 * @Conditional must not be declared as @Inherited.
 *
 * @author Phillip Webb
 * @author Sam Brannen
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/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer} reference through WebSphere's proprietary {@link AdminServiceFactory} API, available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the {@code MBeanServer} for bean references.
 *
 * <p>This {@link FactoryBean} is a direct alternative to the MBeanServerFactoryBean, which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java
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* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1.jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java
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* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1135880277_1613624409.62/0/spring-context-5-2-7-release-sources-1-jar/org/springframework/context/ApplicationEventPublisherAware.java
1.575 libdb 5.3.21 24.el7

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The End
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</table>
GL/wglexth        Khronos
KHR/khrplatform.h    Khronos

*****************************************************************************
----
include/GL/gl.h :

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include/GL/wglxext.h :

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include/GL/g1.h:

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include/GL/wglxhext.h:

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A copy of the Oracle modified GStreamer library source code is located in the following OpenJDK git repository:

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You can use git to clone the repository or you can browse the source using a web browser. The root directory of the GStreamer source code is here:

rt/modules/javafx.media/src/main/native/gstreamer/gstreamer-lite/

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gem.add_runtime_dependency "clamp", "~> 0.6" #(MIT license) for command line args/flags
gem.add_runtime_dependency "filesize", "~> 0.2" #(MIT license) for :bytes config validator
gem.add_runtime_dependency "gems", "~> 1" #(MIT license)
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1.588 pcre 8.35-3.3+deb8u4
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1.593 docker 2.5.1

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1.595 jackson 2.11.0
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1.599 findutils 4.6.0+git+20190209 2
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1.602 libusb-compat 0.1.12-25

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* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/NoOpPasswordEncoder.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/keygen/StringKeyGenerator.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-
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* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1.jar/org/springframework/security/crypto/bcrypt/BCrypt.java
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Found in path(s):
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1.jar/org/springframework/security/crypto/bcrypt/BCrypt.java
jar/org/springframework/security/crypto/argon2/Argon2EncodingUtils.java
* /opt/cola/permits/1187239159_1628257467.98/0/spring-security-crypto-5-2-2-release-sources-1-jar/org/springframework/security/crypto/argon2/Argon2PasswordEncoder.java

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Theodore Ts'o
23-June-2007

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

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

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

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

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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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
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also 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.)

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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
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which the executable runs, unless that component itself accompanies
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Ty Coon, President of Vice

That's all there is to it!

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1.614.1 Available under license:
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java
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1.627 logstash-input-pipe 3.0.7

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1.628 alsa 1.0.28-1

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1.630 libjpeg 1.2.90-6.el7
1.630.1 Available under license:

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

/*
 * rdswitch.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to process some of cjpeg's more complicated
 * command-line switches. Switches processed here are:
 * -qtables file Read quantization tables from text file
 * -scans file Read scan script from text file
 * -quality N[,N,...] Set quality ratings
 * -qslots N[,N,...] Set component quantization table selectors
 * -sample HxV[,HxV,...] Set component sampling factors
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2.90-tgz/libjpeg-turbo-1.2.90/rdswitch.c

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

/*
 * transupp.h
 *
 * Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains declarations for image transformation routines and
 * other utility code used by the jpegtran sample application. These are
 * NOT part of the core JPEG library. But we keep these routines separate
 * from jpegtran.c to ease the task of maintaining jpegtran-like programs
 * that have other user interfaces.
 *
 * NOTE: all the routines declared here have very specific requirements
 * about when they are to be executed during the reading and writing of the
 * source and destination files. See the comments in transupp.c, or see
 * jpegtran.c for an example of correct usage.
 */
Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/transupp.h

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

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; more details.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jimmxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfss2int.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2int.asm

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/*
 * jdtrans.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains library routines for transcoding decompression,
 * that is, reading raw DCT coefficient arrays from an input JPEG file.
 * The routines in jdapimin.c will also be needed by a transcoder.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdtrans.c

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

/*
 * jinclude.h
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jconfig symbols, but on really weird systems
* you may have to edit this file.)
*
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jinclude.h

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

/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * This implementation should be more accurate than either of the integer
 * IDCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point
 * implementation, accuracy is lost due to imprecise representation of the
 * scaled quantization values. However, that problem does not arise if
we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctflt.c

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

*/
* jdmerge.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains code for merged upsampling/color conversion.
*
* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.
*
* When the chroma components are to be upscaled by simple replication
* (ie, box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
*  R = Y + K1 * Cr
*  G = Y + K2 * Cb + K3 * Cr
*  B = Y + K4 * Cb
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
*
* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmerge.c
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.
Found in path(s):
  */
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jdatadst.c
No license file was found, but licenses were detected in source scan.

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; for more details.

Found in path(s):
  */
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfss2fst.asm
*/
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jiss2fst-64.asm
*/
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfmmxfst.asm
*/
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jimmxfst.asm
*/
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jiss2fst.asm
*/
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfss2fst-64.asm
No license file was found, but licenses were detected in source scan.

/ *
* wrjpgcom.c
* 
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a very simple stand-alone application that inserts
* user-supplied text as a COM (comment) marker in a JFIF file.
* This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
* /

Found in path(s):
  */
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/wrjpgcom.c
No license file was found, but licenses were detected in source scan.

/ *
* jdapistd.c
* 
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* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.

* This file contains application interface code for the decompression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-decompression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_decompress, it will end up linking in the entire decompressor.
* We thus must separate this file from jdapimin.c to avoid linking the
* whole decompression library into a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdapistd.c
No license file was found, but licenses were detected in source scan.

/**
 * jutils.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains tables and miscellaneous utility routines needed
 * for both compression and decompression.
 * Note we prefix all global names with "j" to minimize conflicts with
 * a surrounding application.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jutils.c
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/**
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed RLE format).
*
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdrle.c

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

/*
* jmemsys.h
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
*
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmemsys.h

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USING THE IJG JPEG LIBRARY

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For conditions of distribution and use, see the accompanying README file.
This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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You should read at least the overview and basic usage sections before trying
to program with the library. The sections on advanced features can be read if and when you need them.

OVERVIEW
========

Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by
surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage

------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (e.g., a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (e.g., a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information
about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
===================

Data formats
-------------

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However
JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12.

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
------------------
Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

image_width Width of image, in pixels
image_height Height of image, in pixels
input_components Number of color channels (samples per pixel)
in_color_space Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more
than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

cinfo.image_width = Width;  /* image width and height, in pixels */
cinfo.image_height = Height;
cinfo.input_components = 3; /* # of color components per pixel */
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

jpeg_set_defaults(&cinfo);
/* Make optional parameter settings here */

4. jpeg_start_compress(...);

After you have established the data destination and set all the necessary
source image info and other parameters, call jpeg_start_compress() to begin
a compression cycle. This will initialize internal state, allocate working
storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

jpeg_start_compress(&cinfo, TRUE);

The "TRUE" parameter ensures that a complete JPEG interchange datastream
will be written. This is appropriate in most cases. If you think you might
want to use an abbreviated datastream, read the section on abbreviated
datastreams, below.

Once you have called jpeg_start_compress(), you may not alter any JPEG
parameters or other fields of the JPEG object until you have completed
the compression cycle.

5. while (scan lines remain to be written)
jpeg_write_scanlines(...);

Now write all the required image data by calling jpeg_write_scanlines()
one or more times. You can pass one or more scanlines in each call, up
to the total image height. In most applications it is convenient to pass
just one or a few scanlines at a time. The expected format for the passed
data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec
contains some weasel wording about how top and bottom are application-defined
terms (a curious interpretation of the English language...) but if you want
your files to be compatible with everyone else's, you WILL use top-to-bottom
order. If the source data must be read in bottom-to-top order, you can use
the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data. example.c shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```c
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
```

`jpeg_write_scanlines()` returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.

In any case, the return value is the same as the change in the value of next_scanline.

6. `jpeg_finish_compress(...);`

After all the image data has been written, call `jpeg_finish_compress()` to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination. `jpeg_finish_compress()` also releases working memory associated with the JPEG object.

Typical code:

```c
jpeg_finish_compress(&cinfo);
```

If using the stdio destination manager, don't forget to close the output
If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

```
jpeg_destroy_compress(&cinfo);
```

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:
* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details

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Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

```
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want
to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

```c
FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);
```

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```c
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.
It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decomposition parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

output_width image width and height, as scaled
output_height
out_color_components# of color components in out_color_space
output_components# of color components returned per pixel
colormap the selected colormap, if any
actual_number_of_colors number of entries in colormap

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the
If you use a buffer larger than one scanline, it is NOT safe to assume that
jpeg_read_scanlines() fills it. (The current implementation returns only a
few scanlines per call, no matter how large a buffer you pass.) So you must
always provide a loop that calls jpeg_read_scanlines() repeatedly until the
whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to
complete the decompression cycle. This causes working memory associated
with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio
stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct
total number of scanlines. If you wish to abort decompression, call
jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as
discussed next, or you may use it to decompress another image. In that case
return to step 2 or 3 as appropriate. If you do not change the source
manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling
jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of
destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or
jpeg_destroy() if you don't need the JPEG object any more, or
jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object.
The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements
may be found in jinclude.h.

ADVANCED FEATURES
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Compression parameter selection
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This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's -quality switch uses this routine).
Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
[libjpeg v7+ API/ABI emulation only]
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl, const unsigned int *basic_table, int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE). CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

\[ J\_DCT\_METHOD \] dct_method
Selects the algorithm used for the DCT step. Choices are:
\[ JDCT\_ISLOW \]: slow but accurate integer algorithm
\[ JDCT\_IFAST \]: faster, less accurate integer method
\[ JDCT\_FLOAT \]: floating-point method
\[ JDCT\_DEFAULT \]: default method (normally JDCT\_ISLOW)
\[ JDCT\_FASTEST \]: fastest method (normally JDCT\_IFAST)

The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

\[ J\_COLOR\_SPACE \] jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker.
jpeg_set_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the
default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
[libjpeg v7+ API/ABI emulation only]
Linear quantization scaling factors (0-100, default 100) for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] values use "linear" scales, so JPEG quality levels chosen by the user must be converted to these scales using jpeg_quality_scaling(). Here is an example that corresponds to cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: Setting separate quality levels for chrominance and luminance is mainly only useful if chrominance subsampling is disabled. 2x2 chrominance subsampling (AKA "4:2:0") is the default, but you can explicitly disable subsampling as follows:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by jpeg_set_defaults(). If you need to allocate more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image by setting optimize_coding, as discussed above; there's seldom any need to mess with providing your own Huffman tables.
The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by jpeg_start_compress(). You can also call jpeg_calc_jpeg_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width
Actual dimensions of output image.

JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)
Decompression parameter selection

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image_width	Width and height of image
JDIMENSION image_height
int num_components	Number of color components
J_COLOR_SPACE out_color_space	Colors of image
boolean saw_JFIF_marker	TRUE if a JFIF APP0 marker was seen
UINT8 JFIF_major_version	Version information from JFIF marker
UINT8 JFIF_minor_version
UINT8 density_unit	Resolution data from JFIF marker
UINT16 X_density
UINT16 Y_density
boolean saw_Adobe_marker	TRUE if an Adobe APP14 marker was seen
UINT8 Adobe_transform	Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

J_COLOR_SPACE out_color_space
Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an
unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE
no dithering: fast, very low quality
JDITHER_ORDERED
ordered dither: moderate speed and quality
JDITHER_FS
Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself. [Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components
rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage
pointed to by this field is released by jpeg_finish_decompress().
Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same
as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE,
a faster but sloppier method is used. Default is TRUE. The visual
impact of the sloppier method is often very small.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding
progressive JPEG files; if FALSE, not. Default is TRUE. Early
progression stages look "fuzzy" with smoothing, "blocky" without.
In any case, block smoothing ceases to be applied after the first few
AC coefficients are known to full accuracy, so it is relevant only
when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is
described in its own section below.

The output image dimensions are given by the following fields. These are
computed from the source image dimensions and the decompression parameters
by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions()
to obtain the values that will result from the current parameter settings.
This can be useful if you are trying to pick a scaling ratio that will get
close to a desired target size. It's also important if you are using the
JPEG library's memory manager to allocate output buffer space, because you
are supposed to request such buffers *before* jpeg_start_decompress().

JDIMENSION output_width Actual dimensions of output image.
JDIMENSION output_height
int out_color_components Number of color components in out_color_space.
int output_components Number of color components returned.
int rec_outbuf_height Recommended height of scanline buffer.
When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won’t provide any material speed improvement over that height.)

Special color spaces

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB => YCbCr and CMYK => YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data’s color space is specified by field in_color_space. This is transformed to the JPEG file’s color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

RGB => YCbcR
RGB => GRAYSCALE
YCbCr => GRAYSCALE
CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB,
YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that
these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. jpeg_set_colorspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space. For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space. jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports

YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK

as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data (it weights distances appropriately for RGB colors). You'll need to modify the code if you want to use it for non-RGB output color spaces. Note that jquant2.c is used to map to an application-supplied colormap as well as for the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect. This is arguably a bug in Photoshop, but if you need to work with Photoshop CMYK files, you will have to deal with it in your application. We cannot "fix" this in the library by inverting the data during the CMYK<=>YCCK transform, because that would break other applications, notably Ghostscript. Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK data in the same inverted-YCCK representation used in bare JPEG files, but the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in 
EPS/JPEG files, and will omit the PS-level inversion. (But the data 
polarity used in bare JPEG files will not change in 3.0.) In either case, 
the JPEG library must not invert the data itself, or else Ghostscript would 
read these EPS files incorrectly.

Error handling
-------------

When the default error handler is used, any error detected inside the JPEG 
routines will cause a message to be printed on stderr, followed by exit().
You can supply your own error handling routines to override this behavior 
and to control the treatment of nonfatal warnings and trace/debug messages.
The file example.c illustrates the most common case, which is to have the 
application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through 
the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a 
damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating 
  the importance of the message; you can control the verbosity of the 
  program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module 
(jerror.c) with your own code. However, you can avoid code duplication by 
only replacing some of the routines depending on the behavior you need.
This is accomplished by calling jpeg_std_error() as usual, but then overriding 
some of the method pointers in the jpeg_error_mgr struct, as illustrated by 
example.c.

All of the error handling routines will receive a pointer to the JPEG object 
(a j_common_ptr which points to either a jpeg_compress_struct or a 
jpeg_decompress_struct; if you need to tell which, test the is_decompressor 
field). This struct includes a pointer to the error manager struct in its 
"err" field. Frequently, custom error handler routines will need to access 
additional data which is not known to the JPEG library or the standard error 
handler. The most convenient way to do this is to embed either the JPEG 
object or the jpeg_error_mgr struct in a larger structure that contains 
additional fields; then casting the passed pointer provides access to the 
additional fields. Again, see example.c for one way to do it. (Beginning 
with IJG version 6b, there is also a void pointer "client_data" in each 
JPEG object, which the application can also use to find related data. 
The library does not touch client_data at all.)

The individual methods that you might wish to override are:
error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to
generate the error message has been stored in cinfo->err; call
output_message to display it. Control must NOT return to the caller;
generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should
clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages
somewhere other than stderr. Note that this method does not know
how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info
stored in cinfo->err. This method is called by output_message. Few
applications should need to override this method. One possible
reason for doing so is to implement dynamic switching of error message
language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so,
calls output_message. The main reason for overriding this method
would be to abort on warnings. msg_level is -1 for warnings,
0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG
library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to
by the field err->jpeg_message_table. The messages are numbered from 0 to
err->last_jpeg_message, and it is these code numbers that are used in the
JPEG library code. You could replace the message texts (for instance, with
messages in French or German) by changing the message table pointer. See
jerror.h for the default texts. CAUTION: this table will almost certainly
change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are
handled by the same mechanism. The error handler supports a second "add-on"
message table for this purpose. To define an addon table, set the pointer
err->addon_message_table and the message numbers err->first_addon_message and
err->last_addon_message. If you number the addon messages beginning at 1000
or so, you won't have to worry about conflicts with the library's built-in
messages. See the sample applications cjpeg/djpeg for an example of using
addon messages (the addon messages are defined in cderror.h).
Actual invocation of the error handler is done via macros defined in jerror.h:
ERREXIt(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the
error handler struct, then invoke the error_exit() or emit_message() method.
The variants of each macro are for varying numbers of additional parameters.
The additional parameters are inserted into the generated message using
standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)
----------------------------------------------------------

The JPEG compression library sends its compressed data to a "destination
manager" module. The default destination manager just writes the data to a
memory buffer or to a stdio stream, but you can provide your own manager to
do something else. Similarly, the decompression library calls a "source
manager" to obtain the compressed data; you can provide your own source
manager if you want the data to come from somewhere other than a memory
buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the
destination or source manager provides a work buffer, and the library invokes
the manager only when the buffer is filled or emptied. (You could define a
one-character buffer to force the manager to be invoked for each byte, but
that would be rather inefficient.) The buffer's size and location are
controlled by the manager, not by the library. For example, the memory
source manager just makes the buffer pointer and length point to the original
data in memory. In this case the buffer-reload procedure will be invoked
only if the decompressor ran off the end of the datastream, which would
indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally
"char" or "unsigned char". On a machine where char is not exactly 8 bits
wide, you must define JOCTET as a wider data type and then modify the data
source and destination modules to transcribe the work arrays into 8-bit units
on external storage.

A data destination manager struct contains a pointer and count defining the
next byte to write in the work buffer and the remaining free space:

JOCTET * next_output_byte;  /* => next byte to write in buffer */
size_t free_in_buffer;      /* # of byte spaces remaining in buffer */

The library increments the pointer and decrements the count until the buffer
is filled. The manager's `empty_output_buffer` method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

```
init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.
```

```
empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).
```

```
term_destination (j_compress_ptr cinfo)
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.
```

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a `jpeg_destination_mgr` struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the `jpeg_stdio_dest()` or `jpeg_mem_dest()` routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

```
const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer; /* # of bytes remaining in buffer */
```
The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

**init_source (j_decompress_ptr cinfo)**
Initialize source. This is called by jpeg_read_header() before any data is actually read. Unlike init_destination(), it may leave bytes_in_buffer set to 0 (in which case a fill_input_buffer() call will occur immediately).

**fill_input_buffer (j_decompress_ptr cinfo)**
This is called whenever bytes_in_buffer has reached zero and more data is wanted. In typical applications, it should read fresh data into the buffer (ignoring the current state of next_input_byte and bytes_in_buffer), reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. bytes_in_buffer MUST be set to a positive value if TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this mode is discussed in the next section).

**skip_input_data (j_decompress_ptr cinfo, long num_bytes)**
Skip num_bytes worth of data. The buffer pointer and count should be advanced over num_bytes input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. bytes_in_buffer may be zero on return. A zero or negative skip count should be treated as a no-op.

**resync_to_restart (j_decompress_ptr cinfo, int desired)**
This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, jpeg_resync_to_restart(). However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the read_restart_marker() and jpeg_resync_to_restart() routines in jdmarker.c if you think you'd like to implement your own resync procedure.

**term_source (j_decompress_ptr cinfo)**
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension
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Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the
JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.

* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety’s sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression,
not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as
though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.
It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and
perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswith.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE;/* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output()/* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output()/* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()

This differs from ordinary unbuffered decoding in that there is an additional
level of looping. The application can choose how many output passes to make
and how to display each pass.

The simplest approach to displaying progressive images is to do one display
pass for each scan appearing in the input file. In this case the outer loop
condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input
file is to be displayed; the scans are numbered starting at 1 for this
purpose. (You can use a loop counter starting at 1 if you like, but using
the library's input scan counter is easier.) The library automatically reads
data as necessary to complete each requested scan, and jpeg_finish_output()
advances to the next scan or end-of-image marker (hence input_scan_number
will be incremented by the time control arrives back at jpeg_start_output()).
With this technique, data is read from the input file only as needed, and
input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the
buffered image remains available; it can be read additional times by
repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color
quantization for display passes made while the image is arriving, followed by
a final display pass using two-pass quantization for highest quality. This
is done by changing the library parameters before the final output pass.
Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such
until after it is read, so a post-input display pass is the best approach if
you want special processing in the final pass.
When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine jpeg_consume_input(). The return value is one of the following:

- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:

* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the
cinfo.output_scan_number field. The library's output processing calls jpeg_consume_input() whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.)

When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
    do {
        absorb any waiting input by calling jpeg_consume_input()
        final_pass = jpeg_input_complete(&cinfo);
        adjust output decompression parameters if required
        jpeg_start_output(&cinfo, cinfo.input_scan_number);
        ...
        jpeg_finish_output()
    }
```
} while (! final_pass);
rather than quitting as soon as jpeg_input_complete() returns TRUE. This
arrangement makes it simple to use higher-quality decoding parameters
for the final pass. But if you don't want to use special parameters for
the final pass, the right loop logic is like this:
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
In this case you don't need to know in advance whether an output pass is to
be the last one, so it's not necessary to have reached EOF before starting
the final output pass; rather, what you want to test is whether the output
pass was performed in sync with the final input scan. This form of the loop
will avoid an extra output pass whenever the decoder is able (or nearly able)
to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass,
then find that much or all of the file has arrived before you can complete
the pass. (You can detect this by noting the JPEG_REACHED_EOI return code
from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().)
In this situation you may wish to abort the current display pass and start a
new one using the newly arrived information. To do so, just call
jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete
scan arrives during an output pass; this can be detected by noting
JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This
idea should be employed with caution, however, since the display process
might never get to the bottom of the image before being aborted, resulting
in the lower part of the screen being several passes worse than the upper.
In most cases it's probably best to abort an output pass only if the whole
file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using
the current input scan number for the output target scan number; if a
higher-quality final pass is to be done, it should be started (aborting any
incomplete output pass) as soon as the end of file is received. However,
many other strategies are possible. For example, the application can examine
the parameters of the current input scan and decide whether to display it or
not. If the scan contains only chroma data, one might choose not to use it
as the target scan, expecting that the scan will be small and will arrive
quickly. To skip to the next scan, call jpeg_consume_input() until it
returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher
number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling jpeg_input_complete()). jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress() all return TRUE if they completed their tasks, FALSE if they had to suspend.

In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after jpeg_start_decompress() is called:

* dct_method can be changed before each call to jpeg_start_output().

For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.

* dither_mode can be changed before each call to jpeg_start_output(); of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial max_memory_to_use specification to be exceeded, which in the worst case would result in an out-of-memory failure.

* do_block_smoothing can be changed before each call to jpeg_start_output(). This setting is relevant only when decoding a progressive JPEG image. During the first DC-only scan, block smoothing provides a very "fuzzy" look instead of the very "blocky" look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows...
up on smooth gradients until the lowest coefficient bits are sent.  
* Color quantization mode can be changed under the rules described below.  
You *cannot* change between full-color and quantized output (because that 
would alter the required I/O buffer sizes), but you can change which 
quantization method is used.

When generating color-quantized output, changing quantization method is a 
very useful way of switching between high-speed and high-quality display. 
The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube. 
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL. 
2. Single-pass quantization to an application-supplied colormap. 
   Selected by setting cinfo.colormap to point to the colormap (the value of 
   two_pass_quantize is ignored); also set cinfo.actual_number_of_colors. 
3. Two-pass quantization to a colormap chosen specifically for the image. 
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL. 
   (This is the default setting selected by jpeg_read_header, but it is 
   probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, 
only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different 
working-storage requirements, the library requires you to indicate which 
one(s) you intend to use before you call jpeg_start_decompress(). (If we did 
not require this, the max_memory_to_use setting would be a complete fiction.)
You do this by setting one or more of these three cinfo fields to TRUE: 
enable_1pass_quant Fixed color cube colormap 
enable_external_quantExternally-supplied colormap 
enable_2pass_quantTwo-pass custom colormap 
All three are initialized FALSE by jpeg_read_header(). But 
jpeg_start_decompress() automatically sets TRUE the one selected by the 
current two_pass_quantize and colormap settings, so you only need to set the 
enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you 
can change to any enabled quantization method by setting two_pass_quantize 
and colormap properly just before calling jpeg_start_output(). The following 
special rules apply:
1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass 
or 2-pass mode from a different mode, or when you want the 2-pass 
quantizer to be re-run to generate a new colormap. 
2. To switch to an external colormap, or to change to a different external 
   colormap than was used on the prior pass, you must call 
jpeg_new_colormap() after setting cinfo.colormap. 
NOTE: if you want to use the same colormap as was used in the prior pass, 
you should not do either of these things. This will save some nontrivial 
switchover costs.  
(These requirements exist because cinfo.colormap will always be non-NULL.
after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call
jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for
the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.
You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL */
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL */
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)
You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and
"APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

```
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using...
a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension").

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call
jpeg_save_markers(cinfo, marker_code, length_limit)
where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n. (To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)
After jpeg_read_header() completes, you can examine the special markers by following the cinfo->marker_list pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed length_limit for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later
examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
----------------------------

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression).

The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:
* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().)
This notifies the library that you will be supplying raw data.

* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.

* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines value must be at least max_v_samp_factor*DCTSIZE, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

cinfo->comp_info[i].width_in_blocks*DCTSIZE samples per row

cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCTSIZE samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is

cinfo->comp_info[0].h_samp_factor = 2 for Y
cinfo->comp_info[0].v_samp_factor = 2
cinfo->comp_info[1].h_samp_factor = 1 for Cb
cinfo->comp_info[1].v_samp_factor = 1
cinfo->comp_info[2].h_samp_factor = 1 for Cr
cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampled_width = 101 and width_in_blocks = 13 for Y, downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do
jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

`jpeg_write_coefficients()` is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to `cinfo.num_components`.

The virtual arrays need only have been requested, not realized, before `jpeg_write_coefficients()` is called. A side-effect of `jpeg_write_coefficients()` is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling `jpeg_write_coefficients()`. The data is actually written out when you call `jpeg_finish_compress();` `jpeg_write_coefficients()` only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using `jpeg_copy_critical_parameters()`. This routine initializes all the compression parameters to default values (like `jpeg_set_defaults()`), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting `jpeg_finish_decompress()`.

`jpeg_write_coefficients()` marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like `jpeg_start_compress(cinfo, TRUE)`). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call `jpegSuppress_tables()`, or set the tables' individual `sent_table` flags, between calling `jpeg_write_coefficients()` and `jpeg_finish_compress()`.

Progress monitoring
---------------------

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see `cjpeg.c` or `djpeg.c`.) Although you do get control back frequently during the data-transferring pass (the `jpeg_read_scanlines` or `jpeg_write_scanlines` loop), any additional passes will occur inside `jpeg_finish_compress` or `jpeg_start_decompress`; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the
wider the image, the longer the time between calls. During the data
transferring pass, only one call occurs per call of jpeg_read_scanlines or
jpeg_write_scanlines, so don't pass a large number of scanlines at once if
you want fine resolution in the progress count. (If you really need to use
the callback mechanism for time-critical tasks like mouse tracking, you could
insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr,
fill in its progress_monitor field with a pointer to your callback routine,
and set cinfo->progress to point to the struct. The callback will be called
whenever cinfo->progress is non-NULL. (This pointer is set to NULL by
jpeg_create_compress or jpeg_create_decompress; the library will not change
it thereafter. So if you allocate dynamic storage for the progress struct,
make sure it will live as long as the JPEG object does. Allocating from the
JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You
can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
long pass_counter;/* work units completed in this pass */
long pass_limit;/* total number of work units in this pass */
int completed_passes;/* passes completed so far */
int total_passes;/* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including)
pass_limit; the step size is usually but not necessarily 1. The pass_limit
value may change from one pass to another. The expected total number of
passes is in total_passes, and the number of passes already completed is in
completed_passes. Thus the fraction of work completed may be estimated as
completed_passes + (pass_counter/pass_limit)
---------------------------------------------
total_passes
ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it
depends on the number of scans in the JPEG file, which isn't always known in
advance. The computed fraction-of-work-done may jump suddenly (if the library
discovers it has overestimated the number of scans) or even decrease (in the
opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work
estimate is likely to be completely unhelpful, because the library has no way
to know how many output passes will be demanded of it. Currently, the library
sets total_passes based on the assumption that there will be one more output
pass if the input file end hasn't yet been read (jpeg_input_complete() isn't
TRUE), but no more output passes if the file end has been reached when the
output pass is started. This means that total_passes will rise as additional
output passes are requested. If you have a way of determining the input file
size, estimating progress based on the fraction of the file that's been read
will probably be more useful than using the library's value.
Memory management

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (e.g., two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that
it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage

----------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not
have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
----------------------------

A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.)

At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s
is quite slow; consider trading memory for speed by making JCOEF, INT16, and 
UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int. 
You probably don't want to make JSAMPLE be int unless you have lots of memory 
to burn.

You can reduce the size of the library by compiling out various optional 
functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; 
the standard error message table occupies about 5Kb. This is particularly 
reasonable for embedded applications where there's no good way to display 
a message anyway. To do this, remove the creation of the message table 
(jpeg_std_message_table[]) from jerror.c, and alter format_message to do 
something reasonable without it. You could output the numeric value of the 
message code number, for example. If you do this, you can also save a couple 
more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; 
you don't need trace capability anyway, right?

Portability considerations
---------------------------

The JPEG library has been written to be extremely portable; the sample 
applications cjpeg and djpeg are slightly less so. This section summarizes 
the design goals in this area. (If you encounter any bugs that cause the 
library to be less portable than is claimed here, we'd appreciate hearing 
about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of 
the popular system include file setups, and some not-so-popular ones too. 
See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As 
distributed, we make the assumptions that 
char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will 
work fine, although memory may be used inefficiently if char is much larger 
than 8 bits or short is much bigger than 16 bits. The code should work 
equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the 
code work by modifying the typedefs in jmorecfg.h. However, you will probably 
have difficulty if int is less than 16 bits wide, since references to plain 
int abound in the code.
char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
----------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to
1K. Another possibility is to move the error message table to far memory; 
this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is “permanent” memory that will not be 
released until you destroy the JPEG object. This is only an issue if you 
save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large 
images. The most memory-intensive case is decompression with two-pass color 
quantiﬁcation, or single-pass quantiﬁcation to an externally supplied color 
map. This requires a 128Kb color lookup table plus strip buffers amounting 
to about 40 bytes per column for typical sampling ratios (eg, about 25600 
bytes for a 640-pixel-wide image). You may not be able to process wide 
images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model 
compiler, such as DJGPP or Watcom C. We highly recommend flat model if you 
can use it; the JPEG library is signiﬁcantly faster in flat model.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/libjpeg.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdcolor.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009, 2011-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdcolor.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctred.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains inverse-DCT routines that produce reduced-size output:
  * either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
* The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M) algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step with an 8-to-4 step that produces the four averages of two adjacent outputs (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
* These steps were derived by computing the corresponding values at the end of the normal LL&M code, then simplifying as much as possible.
* 1x1 is trivial: just take the DC coefficient divided by 8.
* See jidctint.c for additional comments.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctred.c

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

/*
 * jccolor.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jccolor.c

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

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
* This file contains downsampling routines.
*
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
*
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
*
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
*
* An excellent reference for image resampling is
*
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
*
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jcsample.c

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

/*
* jccoefct.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jccoefct.c

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

; jcolsamp.inc - private declarations for color conversion & up/downsampling
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; -----------------------------------------------------------------------------

; pseudo-resisters to make ordering of RGB configurable
;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7

%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif
/*
 * rdibmp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2010 by Guido Vollbeding.
 * Modifications:
 * Modified 2011 by Siarhei Siamashka.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Microsoft "BMP"
 * format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
 * Currently, only 8-bit and 24-bit images are supported, not 1-bit or
 * 4-bit (feeding such low-depth images into JPEG would be silly anyway).
 * Also, we don't support RLE-compressed files.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins

; --------------------------------------------------------------------------

Found in path(s):
   * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jcolsamp.inc

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

/*
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
 * jcmarker.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write JPEG datastream markers.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * wrppm.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

Found in path(s):
libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100 image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

Images are available without any prohibitive copyright restrictions.

These images are (c) there respective owners. You are granted full redistribution and publication rights on these images provided:

1. The origin of the pictures must not be misrepresented; you must not claim that you took the original pictures. If you use, publish or redistribute them, an acknowledgment would be appreciated but is not required.
2. Altered versions must be plainly marked as such, and must not be misinterpreted as being the originals.
3. No payment is required for distribution this material, it must be available freely under the conditions stated here. That is, it is prohibited to sell the material.
4. This notice may not be removed or altered from any distribution.

Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info


Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt
No license file was found, but licenses were detected in source scan.

/
This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains decompression data source routines for the case of
  * reading JPEG data from memory or from a file (or any stdio stream).
  * While these routines are sufficient for most applications,
  * some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
  * JOCTETs from 8-bit-wide elements on external storage. If char is wider
  * than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar-gz/libjpeg-turbo-1.2.90/jdatasrc-tj.c
No license file was found, but licenses were detected in source scan.

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 *
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 * modification, are permitted provided that the following conditions are met:
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 */
Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJ.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/TJUnitTest.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCompressor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/TJExample.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg-jni.c

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/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the decompression postprocessing controller.
 * This controller manages the upsampling, color conversion, and color quantization/reduction steps; specifically, it controls the buffering between upsample/color conversion and color quantization/reduction.
 *
 * If no color quantization/reduction is required, then this module has no work to do, and it just hands off to the upsample/color conversion code.
 * An integrated upsample/convert/quantize process would replace this module entirely.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdpostct.c

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/*
 * jcdctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
TurboJPEG Java Wrapper
========================

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpeg turbo/jcoext. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.
Performance Pitfalls

--------------------

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-alloacting the buffers is recommended.

Installation Directory

--------------------

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path=\{path_to_JNI_library\} to java.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90-tar-gz/libjpeg-turbo-1.2.90/java/README

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

; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
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; 2. Altered source versions must be plainly marked as such, and must not be
; misrepresented as being the original software.
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]

; ==============================================================
; System-dependent configurations

%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)--------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; ----(nasm -fwin64 -DWIN64 ...)--------
; * Microsoft Visual C++

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name		; foo() -> foo
%elifdef OBJ32; ----(nasm -fobj -DOBJ32 ...)--------
; * Borland C++ (Win32)

; -- segment definition --
;
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%elifdef ELF; ----(nasm -felf[64] -DELF ...)----------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; ELF supports PIC
%define EXTN(name) name		; foo() -> foo

%elifdef AOUT; ----(nasm -faoutb/aout -DAOUT ...)----
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--------
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
; The generation of position-independent code (PIC) is the default on Darwin.

%define PIC
%define GOT_SYMBOL _MACHO_PIC_; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

%endif; ----------------------------------------------

; ==========================================================================
; --------------------------------------------------------------------------
;  Common types
;
%ifdef __x86_64__
%define POINTER                 qword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_QWORD    ; sizeof(POINTER)
%define POINTER_BIT             QWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%else
%define POINTER                 dword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_DWORD    ; sizeof(POINTER)
%define POINTER_BIT             DWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%endif

%define INT                     dword           ; signed integer type
%define SIZEOF_INT              SIZEOF_DWORD    ; sizeof(INT)
%define INT_BIT                 DWORD_BIT       ; sizeof(INT)*BYTE_BIT

%define FP32                    dword           ; IEEE754 single
%define SIZEOF_FP32             SIZEOF_DWORD    ; sizeof(FP32)
%define FP32_BIT                DWORD_BIT       ; sizeof(FP32)*BYTE_BIT

%define MMWORD                  qword           ; int64  (MMX register)
%define SIZEOF_MMWORD           SIZEOF_QWORD    ; sizeof(MMWORD)
%define MMWORD_BIT              QWORD_BIT       ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
%define XMMWORD                                 ; int128 (SSE register)
%define SIZEOF_XMMWORD SIZEOF_OWORD ; sizeof(XMMWORD)
%define XMMWORD_BIT OWORD_BIT ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD

%define SIZEOF_BYTE 1 ; sizeof(BYTE)
%define SIZEOF_WORD 2 ; sizeof(WORD)
%define SIZEOF_DWORD 4 ; sizeof(DWORD)
%define SIZEOF_QWORD 8 ; sizeof(QWORD)
%define SIZEOF_OWORD 16 ; sizeof(OWORD)

%define BYTE_BIT 8 ; CHAR_BIT in C
%define WORD_BIT 16 ; sizeof(WORD)*BYTE_BIT
%define DWORD_BIT 32 ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT 64 ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT 128 ; sizeof(OWORD)*BYTE_BIT

; --------------------------------------------------------------------------
;  External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ %+ name		; foo() -> _foo
%endif

; --------------------------------------------------------------------------
;  Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ; -------------------------------------------
%ifidn GOT_SYMBOL,_MACHO_PIC_ ; -------------------
; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.

SECTION SEG_CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOTI
; NOTE: this macro destroys ecx resister.
call %geteip
addecx, byte (%%ref - $)
jmpshort %%adjust
%%geteip:
movcx, POINTER [esp]
ret

%%adjust:
pushebp
xorebp,ebp; ebp = 0
%ifidni %1,ebx; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
; lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
db0x8D,0x9C; 8D,9C
jmplnear const_base; E9,(const_base-%%ref)
%%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
db0x8D,0x8C; 8D,8C
jmplnear const_base; E9,(const_base-%%ref)
%%ref:mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_ ----------------

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT1
externGOT_SYMBOL
call%%geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmplshort %%done
%%geteip:
mov%1, POINTER [esp]
ret
%%done:
%endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_ ----------------

%imacro pushpic1.nolist
push%1
%endmacro
%imacro poppic1.nolist
pop%1
%endmacro
%imacro movpic2.nolist
mov%1,%2
%endmacro

%else; !PIC -----------------------------------------

%define GOTOFF(got,sym) (sym)

%imacro get_GOT1.nolist
%endmacro
%imacro pushpic1.nolist
%endmacro
%imacro poppic1.nolist
%endmacro
%imacro movpic2.nolist
%endmacro

%endif; PIC -----------------------------------------

; --------------------------------------------------------------------------
; Align the next instruction on {2,4,8,...}-byte boundary.
; ".balign n,,m" in GNU as
;
%define MSKLE(x,y)  (~(y) & 0xFFFF) - ((x) & 0xFFFF) >> 16)
%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%%bs:	times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1)
  db 0x90                               ; nop
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9
  db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7
  db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/6
  db 0x8D,0xAD,0x00,0x00,0x00,0x00      ; lea ebp,[ebp+0x00000000]
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/4
  db 0x8D,0x6C,0x25,0x00                ; lea ebp,[ebp+0x0]
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/3
  db 0x8D,0x6D,0x00                     ; lea ebp,[ebp+0x00]
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/2
  db 0x8B,0xED                          ; mov ebp,ebp
	imes MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/1
  db 0x90                               ; nop
%endmacro

; Align the next data on {2,4,8,...}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__
%ifdef WIN64
%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub    rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub    rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add    rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add    rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi

%endmacro

%ifdef WIN64
%endmacro

%ifdef __x86_64__
%endmacro
Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jsimdext.inc

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/*
* jcarith.c
* 
* Developed 1997-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains portable arithmetic entropy encoding routines for JPEG
* 
* Both sequential and progressive modes are supported in this single module.
* 
* Suspension is not currently supported in this module.
*/

Found in path(s):
License: IJG

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/*
 * cdjpeg.c
 */

* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains common support routines used by the IJG application
* programs (cjpeg, djpeg, jpegtran).
*/

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/*
 * jdhuff.c
 */

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* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains Huffman entropy decoding routines.
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

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 * POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/tjutil.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/bmp.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jcstest.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/bmp.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/tjutil.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90.tar.gz/libjpeg-
/*
* jquant2.c
*
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* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jquant2.c

/*
* cjpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
*cjpeg [options] inputfile outputfile
*cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
  *cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cjpeg.c

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IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
This file was part of the Independent JPEG Group's software.
It was modified by The libjpeg-turbo Project to include only information
relevant to libjpeg-turbo.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file
libjpeg.txt describes the library from the viewpoint of an application
programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
otherwise result.)
*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform
  JFIF JPEG files to and from several other image formats.

cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
command-line user interface and I/O routines for several uncompressed image
formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended
sequential, and progressive DCT processes. Hierarchical processes are not
supported.

The library does not support the lossless (spatial) JPEG process. Lossless
JPEG shares little or no code with lossy JPEG, and would normally be used
without the extensive pre- and post-processing provided by this library.
We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG
spec should be readable for decompression. (We can be more restrictive about
what formats we can generate.) Although the system design allows for all
parameter values, some uncommon settings are not yet implemented and may
never be; nonintegral sampling ratios are the prime example. Furthermore,
we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a
run-time option, because most machines can store 8-bit pixels much more
compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in
particular the widely used JFIF file format. The library can be used by
surrounding code to process interchange or abbreviated JPEG datastreams that
are embedded in more complex file formats. (For example, libtiff uses this
library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the
JPEG standard but is necessary for typical applications of JPEG. These
functions preprocess the image before JPEG compression or postprocess it after
decompression. They include colorspace conversion, downsampling/upsampling,
and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing,
and even more so in decompression postprocessing. The decompression library
provides multiple implementations that cover most of the useful tradeoffs,
ranging from very-high-quality down to fast-preview operation. On the
compression side we have generally not provided low-quality choices, since
compression is normally less time-critical. It should be understood that the
low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:
Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple
  smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation,
and support code (memory management & error handling). There is also a
module responsible for physically writing the output data --- typically
this is just an interface to fwrite(), but some applications may need to
do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general
  rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also
  provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
  [This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module.
The support code (memory management & error handling) can be shared with
the compression half of the library.

There may be several implementations of each of these elements, particularly
in the decompressor, where a wide range of speed/quality tradeoffs is very
useful. It must be understood that some of the best speedups involve
merging adjacent steps in the pipeline. For example, upsampling, color space
conversion, and color quantization might all be done at once when using a
low-quality ordered-dither technique. The system architecture is designed to
allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries)
as a preprocessing/postprocessing function, even though the JPEG spec includes
it in compression/decompression. We do this because downsampling/upsampling
can be simplified a little if they work on padded data: it's not necessary to
have special cases at the right and bottom edges. Therefore the interface
buffer is always an integral number of blocks wide and high, and we expect
compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are
not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

   1A. Startup initialization at the beginning of image processing.
   The individual processing modules to be used in this run are selected and given initialization calls.

   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.
2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

input data => processing step A => buffer => processing step B => output data
          |               |
          ------------------ controller ------------------

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

    |-- Colorspace conversion
    |   |-- Preprocessing controller --|
    |   |   |-- Downsampling
    |   Main controller --|
    |   |   |-- Forward DCT, quantize
This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each component before downsampling, and Vk sample rows afterwards (remember Vk differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did...
the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***
Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
   |-- Coefficient controller --|
       |    |-- Dequantize, Inverse DCT
Main controller --|
       |    |-- Upsampling
   |-- Postprocessing controller --|   |-- Colorspace conversion
       |    |-- Color quantization
       |    |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* **Main controller**: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* **Coefficient controller**: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image.

* **Entropy decoding**: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call.

* **Dequantization and inverse DCT**: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons.

* **Postprocessing controller**: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.
* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jdinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.
* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data
input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)" where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use.
The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.
Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

```
GETJSAMPLE(image[colorcomponent][row][col])
```

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```
typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays
```

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)
Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKs, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.)
If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (i.e., the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won’t have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn’t be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special “skip” convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library’s memory manager controls allocation and deallocation of memory, and it manages large “virtual” data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.
The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:
* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)
Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'être is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible.
(For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_XXX routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers. Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***
To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

- jpeg_mem_init, jpeg_mem_term: system-dependent initialization/shutdown
- jpeg_get_small, jpeg_free_small: interface to malloc and free library routines (or their equivalents)
- jpeg_get_large, jpeg_free_large: interface to FAR malloc/free in MSDOS machines; else usually the same as jpeg_get_small/jpeg_free_small
- jpeg_mem_available: estimate available memory
- jpeg_open_backing_store: create a backing-store object
- read_backing_store, manipulate a backing-store object
- write_backing_store,
- close_backing_store

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg_open_backing_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call self_destruct (typically via jpeg_destroy) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.
*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL.
Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/structure.txt
No license file was found, but licenses were detected in source scan.

/*
* transupp.c
*
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* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
* jcmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG
* compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmainct.c
No license file was found, but licenses were detected in source scan.

/*
* jfdctflt.c
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a floating-point implementation of the
* forward DCT (Discrete Cosine Transform).
* This implementation should be more accurate than either of the integer
* DCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctflt.c
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/*
 * jdmarker.c
 *
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 * Modifications:
 * Copyright (C) 2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This file contains routines to decode JPEG datastream markers.
* Most of the complexity arises from our desire to support input
  suspension: if not all of the data for a marker is available,
* we must exit back to the application. On resumption, we reprocess
* the marker.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmarker.c
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/*
* jerror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file defines the error and message codes for the JPEG library.
* Edit this file to add new codes, or to translate the message strings to
  some other language.
* A set of error-reporting macros are defined too. Some applications using
* the JPEG library may wish to include this file to get the error codes
* and/or the macros.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jerror.h
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/*
* wrgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in GIF format.
* **************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,
* this code has been modified to output "uncompressed GIF" files.
* There is no trace of the LZW algorithm in this file.
* **************************************************************************
*/
These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to an ordinary stdio stream.

This code is loosely based on ppmtoigif from the PBPLUS distribution of Feb. 1991. That file contains the following copyright notice:

Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>. Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.

Copyright (C) 1989 by Jef Poskanzer.

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/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/dmerss2-64.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrass2-64.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcsammxm.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2flt.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmermmx.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdcrmmx.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcclrmmx.asm

/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
Found in path(s):

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/*
 * jquant1.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */
No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jquant1.c

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

/*
 * jcprepct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling,
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler.  See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcprepct.c

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/*
 * jdatadst-tj.c
 *
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 * Modified 2009-2012 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different destination manager.
* IMPORTANT: we assume that fwrite() will correctly transcribe an array of
* JOCTETs into 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jdatadst-tj.c
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/ *
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* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

package org.libjpegturbo.turbojpeg;

final class TJLoader {
    static void load() {
        System.loadLibrary("@TURBOJPEG_DLL_NAME@");
    }
};
/*
* jdcolext.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains output colorspace conversion routines.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java.in
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/*
* wrrle.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
* *
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* *
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdcolext.c
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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/License.rtf

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

/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 *
* The actual configuration options for a particular installation are stored
* in jconfig.h. On many machines, jconfig.h can be generated automatically
* or copied from one of the "canned" jconfig files that we supply. But if
* you need to generate a jconfig.h file by hand, this file tells you how.
*
* DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
* EDIT A COPY NAMED JCONFIG.H.
*/

/*
* These symbols indicate the properties of your machine or compiler.
* #define the symbol if yes, #undef it if no.
*/

/ * Does your compiler support function prototypes?
* (If not, you also need to use ansi2knr, see install.txt)
*/
#define HAVE_PROTOTYPES

/ * Does your compiler support the declaration "unsigned char" ?
* How about "unsigned short" ?
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/ * Define "void" as 'char' if your compiler doesn't know about type void.
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
/#define void char */

/ * Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
/#define const */

/ * Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/ * Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/ * Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
 * but does have a BSD-style <strings.h>.
 */
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
 * ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
 * <sys/types.h> instead.
 */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
 * unless you are using a large-data memory model or 80386 flat-memory mode.
 * On less brain-damaged CPUs this symbol must not be defined.
 * (Defining this symbol causes large data structures to be referenced through
 * "far" pointers and to be allocated with a special version of malloc.)
 */
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
 * than the first 15 characters.
 */
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
 * unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
 * and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
 * define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
 * actually get "missing structure definition" warnings or errors while
 * compiling the JPEG code.
 */
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
 */
#ifdef _WIN32
#ifndef __RPCNDR_H__	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN	/* prevent jmorecfg.h from redefining it */
#endif

/* The following options affect code selection within the JPEG library,
 * but they don't need to be visible to applications using the library.
 */
* To minimize application namespace pollution, the symbols won't be defined unless JPEG_INTERNALS has been defined.
*/
#endif /* JPEG_INTERNALS */

/* Define this if your compiler implements ">>" on signed values as a logical (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift, which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

#elif defined JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */
#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command line, rather than using stdin and optionally stdout. You MUST do this if your system can't cope with binary I/O to stdin/stdout. See comments at head of cjpeg.c or djpeg.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files, and is harmless on most systems that don't. If you have one of the rare
*/
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjjpeg/djpeg.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
 * jmorecfg.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file contains additional configuration options that customize the
 * JPEG software for special applications or support machine-dependent
 * optimizations. Most users will not need to touch this file.
 */

Found in path(s):
  /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jmorecfg.h
No license file was found, but licenses were detected in source scan.

/*
 * rdcolmap.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * 
 * This file implements djpeg's "-map file" switch. It reads a source image
 * and constructs a colormap to be supplied to the JPEG decompressor.
 * 
 * Currently, these file formats are supported for the map file:
 * GIF: the contents of the GIF's global colormap are used.
 * PPM (either text or raw flavor): the entire file is read and
* each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
*  
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/rdcolmap.c
No license file was found, but licenses were detected in source scan.

/*
* jdhuff.h
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*  
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the
* progressive decoder (jdphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jdhuff.h
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C)2009-2012 D. R. Commander. All Rights Reserved.
*
* Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  *
  * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  * Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
  *
* THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

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

/*
 * jdmrgext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains code for merged upsampling/color conversion.
/*

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmrgext.c

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

*/

* jfdctint.c
 *
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a slow-but-accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctint.c

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

*/

* jsimd_x86_64.c
 *
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_x86_64.c
No license file was found, but licenses were detected in source scan.

/*
* simd/jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
* wrtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in Targa format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrtarga.c
No license file was found, but licenses were detected in source scan.
* Both sequential and progressive modes are supported in this single module.
*
* Suspension is not currently supported in this module.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdarith.c
No license file was found, but licenses were detected in source scan.

/*
* jchuff.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains Huffman entropy encoding routines.
*
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jchuff.c
No license file was found, but licenses were detected in source scan.

/*
* jcapiim.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* Modified 2003-2010 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains application interface code for the compression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-compression case or the transcoding-only
* case.
* *
* Most of the routines intended to be called directly by an application
* are in this file or in jcapistd.c. But also see jeparam.c for
* parameter-setup helper routines, jcomapi.c for routines shared by
* compression and decompression, and jcstrans.c for the transcoding case.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jcapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jddctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2002-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the inverse-DCT management logic.
 * This code selects a particular IDCT implementation to be used,
 * and it performs related housekeeping chores. No code in this file
 * is executed per IDCT step, only during output pass setup.
 *
 * Note that the IDCT routines are responsible for performing coefficient
 * dequantization as well as the IDCT proper. This module sets up the
 * dequantization multiplier table needed by the IDCT routine.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegcomp.h
 *
 * Copyright (C) 2010, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * JPEG compatibility macros
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * jctrans.c
 *
 * Copyright (C) 1995-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding compression,
 * that is, writing raw DCT coefficient arrays to an output JPEG file.
 * The routines in jcapimin.c will also be needed by a transcoder.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jctrans.c
No license file was found, but licenses were detected in source scan.

/*
 * jdct.h
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This include file contains common declarations for the forward and
 * inverse DCT modules. These declarations are private to the DCT managers
 * (jcdctmgr.c, jdctmgr.c) and the individual DCT algorithms.
 * The individual DCT algorithms are kept in separate files to ease
 * machine-dependent tuning (e.g., assembly coding).
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdct.h
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jdatasrc.c

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

/*
* jsimd_arm.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on
* ARM architecture.
*
* Based on the stubs from 'jsimd_none.c'
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jsimd_arm.c

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

/*
* jdpbuff.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy decoding routines for progressive JPEG.
*
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.

*/

Found in path(s):
 */opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90-jdphuff.c

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

*******************************************************************************
**     Background
*******************************************************************************

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2,
NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64,
and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as
libjpeg, all else being equal. On other types of systems, libjpeg-turbo can
still outperform libjpeg by a significant amount, by virtue of its
highly-optimized Huffman coding routines. In many cases, the performance of
libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less
powerful but more straightforward TurboJPEG API. libjpeg-turbo also features
colorspace extensions that allow it to compress from/decompress to 32-bit and
big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java
interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated
derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and
VirtualGL projects made numerous enhancements to the codec in 2009, and in
early 2010, libjpeg-turbo spun off into an independent project, with the goal
of making high-speed JPEG compression/decompression technology available to a
broader range of users and developers.

*******************************************************************************
**     License
*******************************************************************************

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by
libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and
associated test programs bear a similar license, which is reproduced below:

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modification, are permitted provided that the following conditions are met:
- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
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- Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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*******************************************************************************
** Using libjpeg-turbo
*******************************************************************************

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

=================================
Installation Directory

This document assumes that libjpeg-turbo will be installed in the default directory /opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

Replacing libjpeg at Run Time

Un*x

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real  0m0.392s
user  0m0.074s
sys   0m0.020s

[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real  0m0.109s
user  0m0.029s
sys   0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from
libjpeg-turbo into the application's install directory. The official
libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses
jpeg7.dll or jpeg8.dll instead, then it will be necessary to build
libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary
packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll).
msvcr90.dll ships with more recent versions of Windows, but users of older
Windows releases can obtain it from the Visual C++ 2008 Redistributable
Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure,
such as a file handle, from an application to the library will probably not
work with jpeg62.dll, unless the application is also built to use the Visual
C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and
jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside
the (hidden) application bundle, so it is not possible to globally replace
libjpeg on OS X systems. Replacing the application's version of the libjpeg
dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into
the appropriate place in the application bundle and using install_name_tool to
repoint the libjpeg-turbo dylib to its new directory. This requires an
advanced knowledge of OS X and would not survive an upgrade or a re-install of
the application. Thus, it is not recommended for most users.

Using libjpeg-turbo in Your Own Programs

For the most part, libjpeg-turbo should work identically to libjpeg, so in
most cases, an application can be built against libjpeg and then run against
libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo
instead of libjpeg by setting

CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a
64-bit application.)

If using MinGW, then set
Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*x systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass -R /opt/libjpeg-turbo/ [lib] to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*x or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

-Wl,-Bstatic -ljpeg -Wl,-Bdynamic

On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add c:\libjpeg-turbo\include to the system or user INCLUDE environment variable and c:\libjpeg-turbo\lib to the system or user LIB environment variable, and then link against either jpeg.lib (to use the DLL version of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

================================
Colorscape Extensions
================================

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

  JCS_EXT_RGB  /* red/green/blue */
  JCS_EXT_RGBX /* red/green/blue/x */
  JCS_EXT_BGR  /* blue/green/red */
  JCS_EXT_BGRX /* blue/green/red/x */
  JCS_EXT_XBGR /* x/blue/green/red */
  JCS_EXT_XRGB /* x/red/green/blue */
  JCS_EXT_RGBA /* red/green/blue/alpha */
  JCS_EXT_BGRA /* blue/green/red/alpha */
  JCS_EXT_ABGR /* alpha/blue/green/red */
  JCS_EXT_ARGB /* alpha/red/green/blue */
Setting cinfo.in_color_space (compression) or cinfo.out_color_space
(decompression) to one of these values will cause libjpeg-turbo to read the
red, green, and blue values from (or write them to) the appropriate position in
the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile
time with:

#ifdef JCS_EXTENSIONS

At run time, attempting to use these extensions with a libjpeg implementation
that does not support them will result in a "Bogus input colorspace" error.
Applications can trap this error in order to test whether run-time support is
available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the
X byte is undefined, and in order to ensure the best performance, libjpeg-turbo
can set that byte to whatever value it wishes. If an application expects the X
byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA,
JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB. When these colorspace constants
are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace
extensions at compile time with:

#ifdef JCS_ALPHA_EXTENSIONS

jcstest.c, located in the libjpeg-turbo source tree, demonstrates how to check
for the existence of the colorspace extensions at compile time and run time.

===================================
libjpeg v7 and v8 API/ABI Emulation
===================================

With libjpeg v7 and v8, new features were added that necessitated extending the
compression and decompression structures. Unfortunately, due to the exposed
nature of those structures, extending them also necessitated breaking backward
ABI compatibility with previous libjpeg releases. Thus, programs that were
built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is
based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not
as widely used as v6b, enough programs (including a few Linux distros) made
the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs
in libjpeg-turbo. It should be noted, however, that this feature was added
primarily so that applications that had already been compiled to use libjpeg
v7+ could take advantage of accelerated baseline JPEG encoding/decoding
without recompiling. libjpeg-turbo does not claim to support all of the
libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all
cases (see below.)
By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at
http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?
----------------------
libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with
existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====================================  
In-Memory Source/Destination Managers  
=====================================  

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and it allows those functions to be provided in the "official" libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo. This will restore the pre-1.3 behavior, in which jpeg_mem_src() and jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(), that program will not fail if run against an older version of libjpeg-turbo or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or jpeg_mem_dest(). Such is not the case on Windows. If a program is built against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

*******************************************************************************  
** Mathematical Compatibility  
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg
v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo’s SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

==============
Restart Markers
==============

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

==============
Fast Integer Forward DCT at High Quality Levels
==============
The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/README-turbo.txt
No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains common declarations for the sample applications
cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_i386.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on a
 * 32-bit x86 architecture.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_i386.c
/*
 * jfdctfst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a fast, not so accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with fixed-point math,
 * accuracy is lost due to imprecise representation of the scaled
 * quantization values. The smaller the quantization table entry, the less
 * precise the scaled value, so this implementation does worse with high-
 * quality-setting files than with low-quality ones.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jfdctfst.c
No license file was found, but licenses were detected in source scan.

libjpeg-turbo note: This file has been modified by The libjpeg-turbo Project
to include only information relevant to libjpeg-turbo, to wordsmith certain
sections, and to remove impolitic language that existed in the libjpeg v8
README. It is included only for reference. Please see README-turbo.txt for
information specific to libjpeg-turbo.

The Independent JPEG Group's JPEG software
=============================================

This distribution contains a release of the Independent JPEG Group's free JPEG
software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge’ Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP
========================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

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

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

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

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

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcm" and "wrjpgcm", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.
We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

LEGAL ISSUES
==========

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's
We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

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

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

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES
==========

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

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

including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v8d.tar.gz, and in Windows-compatible

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

FILE FORMAT WARS

The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.
Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/README

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

/*
 * jpegint.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jpegint.h
No license file was found, but licenses were detected in source scan.

/*
* jcparam.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jcparam.c
No license file was found, but licenses were detected in source scan.

/*
* jdapimin.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jdapimin.c
No license file was found, but licenses were detected in source scan.

/*
* cderror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file defines the error and message codes for the cjpeg/djpeg
* applications. These strings are not needed as part of the JPEG library
* proper.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cderror.h
No license file was found, but licenses were detected in source scan.

%ifarch x86_64
%define __lib lib64
%else
%define __lib lib
%endif

Summary: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
Name: @PACKAGE_NAME@
Version: @VERSION@
Vendor: The libjpeg-turbo Project
URL: http://www.libjpeg-turbo.org
Group: System Environment/Libraries
#-->Source0: http://prdownloads.sourceforge.net/libjpeg-turbo/libjpeg-turbo-%{version}.tar.gz
Release: @BUILD@
License: BSD-style
BuildRoot: %[_blddir]/%{name}-buildroot-%{version}-%{release}
Prereq: /sbin/ldconfig
%ifarch x86_64
Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so()(64bit)
%else
Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so
%endif
Obsoletes: turbojpeg

%description
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2,
NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

%prep
%setup -q

%build
%configure libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man
JPEG_LIB_VERSION=@JPEG_LIB_VERSION@ SO_MAJOR_VERSION=@SO_MAJOR_VERSION@
SO_MINOR_VERSION=@SO_MINOR_VERSION@ --with-pic @RPM_CONFIG_ARGS@
%make DESTDIR=$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man

%install
rm -rf $RPM_BUILD_ROOT
make install DESTDIR=$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man
docdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/doc
doc mkdir -p $RPM_BUILD_ROOT/usr/%{__lib}
mv $RPM_BUILD_ROOT/opt/%{name}/%{__lib}/libturbojpeg.* $RPM_BUILD_ROOT/usr/%{__lib}
ln -fs /usr/include/turbojpeg.h $RPM_BUILD_ROOT/usr/include
ln -fs /usr/%{__lib}/libturbojpeg.a $RPM_BUILD_ROOT/usr/%{__lib}

%post -p /sbin/ldconfig
%postun -p /sbin/ldconfig
%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root)
%dir %{_defaultdocdir}/%{name}-%{version}
%doc %{_defaultdocdir}/%{name}-%{version}/*
%dir /opt/%{name}
%dir /opt/%{name}/bin
/opt/%{name}/bin/cjpeg
/opt/%{name}/bin/djpeg
/opt/%{name}/bin/jpegtran
/opt/%{name}/bin/tbench
/opt/%{name}/bin/rdjpgcom
/opt/%{name}/bin/wrjpgcom
%dir /opt/%{name}/%{__lib}
%ifarch x86_64
%endif
/opt/%{name}/%{__lib}/libjpeg.so.@SO_MAJOR_VERSION@.@SO_AGE@.@SO_MINOR_VERSION@
/opt/%{name}/%{__lib}/libjpeg.so.@SO_MAJOR_VERSION@
/opt/%{name}/%{__lib}/libjpeg.a
/usr/%{__lib}/libturbojpeg.so.0.0.0
/usr/%{__lib}/libturbojpeg.so
/usr/%{__lib}/libturbojpeg.so.0
/usr/%{__lib}/libturbojpeg.a
/usr/include/turbojpeg.h
%dir /opt/%{name}/include
/opt/%{name}/include/jconfig.h
/opt/%{name}/include/jerror.h
/opt/%{name}/include/jmorecfg.h
/opt/%{name}/include/jpeglib.h
/opt/%{name}/include/turbojpeg.h
%dir /opt/%{name}/man
%dir /opt/%{name}/man/man1
/opt/%{name}/man/man1/cjpeg.1*
/opt/%{name}/man/man1/djpeg.1*
/opt/%{name}/man/man1/jpegtran.1*
/opt/%{name}/man/man1/rdjpgcom.1*
/opt/%{name}/man/man1/wrjpgcom.1*
@JAVA_RPM_CONTENTS_1@
@JAVA_RPM_CONTENTS_2@
%changelog

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/libjpeg-turbo.spec.in

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

/*
 * jcmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG compressor.
 * These routines are concerned with parameter validation, initial setup,
 * and inter-pass control (determining the number of passes and the work
 * to be done in each pass).
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmaster.c

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

/*
 * jdcoefct.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for decompression.
 * This controller is the top level of the JPEG decompressor proper.
 * The coefficient buffer lies between entropy decoding and inverse-DCT steps.
 *
 * In buffered-image mode, this controller is the interface between
 * input-oriented processing and output-oriented processing.
 * Also, the input side (only) is used when reading a file for transcoding.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jdcoeft.c
No license file was found, but licenses were detected in source scan.

/*
 * jcphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy encoding routines for progressive JPEG.
 *
 * We do not support output suspension in this module, since the library
 * currently does not allow multiple-scan files to be written with output
 * suspension.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar-gz/libjpeg-turbo-1.2.90/jcphuff.c
No license file was found, but licenses were detected in source scan.

/*
 * djpeg.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG decompressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 *djpeg [options] inputfile outputfile
 *djpeg [options] [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 *djpeg [options] -outfile outputfile inputfile
 * works regardless of which command line style is used.
 */
Open Source Used In Cisco Auto Inline Retuner 2.1.0  7921

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/djjpeg.c

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

/*
 * jdmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmaster.c

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

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java
libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/deb-control.tmpl

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

; jdct.inc - private declarations for forward & reverse DCT subsystems
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
%define RANGE_MASK  (MAXJSAMPLE * 4 + 3)  ; 2 bits wider than legal samples

%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

; --------------------------------------------------------------------------

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdct.inc

No license file was found, but licenses were detected in source scan.
/*
 * jdsample.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains upsampling routines.
 *
 * Upsampling input data is counted in "row groups". A row group
 * is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
 * sample rows of each component. Upsampling will normally produce
 * max_v_samp_factor pixel rows from each row group (but this could vary
 * if the upsampler is applying a scale factor of its own).
 *
 * An excellent reference for image resampling is
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdsample.c
No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)
==================

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4,
11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will
not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly
necessary to do so, because TurboJPEG uses versioned symbols, and if a function
changes in an ABI-incompatible way, that function is renamed and a legacy
function is provided to maintain backward compatibility. However, certain
Linux distro maintainers will blindly reject any library that is not versioned,
so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG
image from and decompress a JPEG image to an arbitrary position in a large
image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.
[5] The 32-bit supplementary package for amd64 Debian systems now provides
symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32.
This allows those libraries to be used on MultiArch-compatible systems (such as
Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems
without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating
the performance of the TurboJPEG Java API. It can be run with
'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace
(feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be
suffixed with "i" to indicate that, when the upper left corner of the cropping
region is automatically moved to the nearest iMCU boundary, the bottom right
corner should be moved by the same amount. In other words, this feature causes
jpegtran to strictly honor the specified width/height rather than the specified
bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale
images (feature ported from jpeg-8d.)

multiple "Mismatch in operand sizes" errors when attempting to build the x86
SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (jpeg_mem_src() and
jpeg_mem_dest()) are now included by default when building libjpeg-turbo with
libjpeg v6b or v7 emulation, so that programs can take advantage of these
functions without requiring the use of the backward-incompatible libjpeg v8
ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been
incremented by 1 to reflect this. You can disable this feature with a
configure/CMake switch in order to retain strict API/ABI compatibility with the
libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See
README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official
libjpeg-turbo binary package for OS X, so that those libraries can be used to
build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1

[1] Creating or decoding a JPEG file that uses the RGB colorspace should now
properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVQ instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form "'%define' expects a macro identifier".

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM
was not able to find jsimdefg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
==================

[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was
When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
=====

[1] The algorithm used by the SIMD quantization function cannot produce correct
results when the JPEG quality is \( \geq 98 \) and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.


[5] The Windows distribution packages now include the libjpeg run-time programs (cjjpeg, etc.)

[6] All packages now include jpgtest.


[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)
============

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.


[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.
[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

1.0.1
=====

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93
 ======

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91
 ======

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
 ======

Initial release

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90-ChangeLog.txt
No license file was found, but licenses were detected in source scan.

/*
 * jpeglib.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */
Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains stubs for when there is no SIMD support available.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jsimd_none.c
No license file was found, but licenses were detected in source scan.

# Copyright (C)2009-2011 D. R. Commander. All Rights Reserved.
#
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# modification, are permitted provided that the following conditions are met:
#
# - Redistributions of source code must retain the above copyright notice,
#   this list of conditions and the following disclaimer.
# - Redistributions in binary form must reproduce the above copyright notice,
#   this list of conditions and the following disclaimer in the documentation
#   and/or other materials provided with the distribution.
# - Neither the name of the libjpeg-turbo Project nor the names of its
#   contributors may be used to endorse or promote products derived from this
#   software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS",
# AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
# ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
# INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
# CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
#!/bin/sh

if [ ! "$id -u" = "0" ]; then
echo "ERROR: This script must be executed as root"
exit -1
fi

PACKAGE=@PACKAGE_NAME@
MACPACKAGE=com.$PACKAGE.$PACKAGE
RECEIPT=/Library/Receipts/$PACKAGE.pkg

LSBOM=
if [ -d "$RECEIPT" ]; then
LSBOM='lsbom -s -f -l "$RECEIPT"/Contents/Archive.bom'
else
LSBOM='pkgutil --files "$MACPACKAGE"
fi

mylsbom()
{
$LSBOM || (echo "ERROR: Could not list package contents"; exit -1)
}

echo Removing package files ...
EXITSTATUS=0
pushd /
mylsbom | while read file; do
if [ ! -d "$file" ]; then rm "$file" 2>&1 || EXITSTATUS=-1; fi
done
popd

echo Removing package directories ...
if [ -d /opt/$PACKAGE/bin ]; then
rmdir /opt/$PACKAGE/bin 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/lib ]; then
rmdir /opt/$PACKAGE/lib 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/include ]; then
rmdir /opt/$PACKAGE/include 2>&1 || EXITSTATUS=-1
fi
rm /opt/$PACKAGE/lib32 2>&1 || EXITSTATUS=-1
rm /opt/$PACKAGE/lib64 2>&1 || EXITSTATUS=-1
if [ -d /opt/$PACKAGE/man/man1 ]; then
rmdir /opt/$PACKAGE/man/man1 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/man ]; then
rmdir /opt/$PACKAGE/man 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/classes ]; then
rmdir /opt/$PACKAGE/classes 2>&1 || EXITSTATUS=-1
fi
rmdir /opt/$PACKAGE 2>&1 || EXITSTATUS=-1
rmdir /Library/Documentation/$PACKAGE 2>&1 || EXITSTATUS=-1

if [ -d $RECEIPT ]; then
echo Removing package receipt ...
rm -r $RECEIPT 2>&1 || EXITSTATUS=-1
else
echo Forgetting package $MACPACKAGE ...
pkgutil --forget $MACPACKAGE
fi

exit $EXITSTATUS

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2.90-release/uninstall.in
No license file was found, but licenses were detected in source scan.

/*
 * rdtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed Targa format).
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdtarga.c
No license file was found, but licenses were detected in source scan.
/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/jaricom.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for JPEG transcoding.
 * It is very similar to cjpeg.c, and partly to djpeg.c, but provides
 * lossless transcoding between different JPEG file formats. It also
 * provides some lossless and sort-of-lossless transformations of JPEG data.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/jpegtran.c
No license file was found, but licenses were detected in source scan.

/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface routines that are used for both
* compression and decompression.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcomapi.c

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

*/
* jcomapi.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* No license file was found, but licenses were detected in source scan.
*
* This file contains initialization logic for the JPEG compressor.
* This routine is in charge of selecting the modules to be executed and
* making an initialization call to each one.
*
* Logically, this code belongs in jcmaster.c. It's split out because
* linking this routine implies linking the entire compression library.
* For a transcoding-only application, we want to be able to use jcmaster.c
* without linking in the whole library.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcinit.c

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

*/
* jsimddct.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* */

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jsimddct.h

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

*/
* jchuff.h
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains declarations for Huffman entropy encoding routines
* that are shared between the sequential encoder (jchuff.c) and the
* progressive encoder (jcphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2-90-tgz/libjpeg-turbo-1.2.90/jchuff.h

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// Natural Docs is licensed under the GPL.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2-90-tgz/libjpeg-turbo-1.2.90/doc/html/search/search.js

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

/*
* jdmainct.c
* 
* This file was part of the Independent JPEG Group's software:
* * Copyright (C) 1994-1996, Thomas G. Lane.
* * Modifications:
* * Copyright (C) 2010, D. R. Commander.
* * For conditions of distribution and use, see the accompanying README file.
* * 
* * This file contains the main buffer controller for decompression.
* * The main buffer lies between the JPEG decompressor proper and the
* * post-processor; it holds downsampled data in the JPEG colorspace.
* * 
* * Note that this code is bypassed in raw-data mode, since the application
* * supplies the equivalent of the main buffer in that case.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2-90-tgz/libjpeg-turbo-1.2.90/jdmainct.c

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

/*
* jerror.c
* 
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains simple error-reporting and trace-message routines.
* These are suitable for Unix-like systems and others where writing to
* stderr is the right thing to do. Many applications will want to replace
* some or all of these routines.
*
* If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
* you get a Windows-specific hack to display error messages in a dialog box.
* It ain't much, but it beats dropping error messages into the bit bucket,
* which is what happens to output to stderr under most Windows C compilers.
*
* These routines are used by both the compression and decompression code.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jerror.c

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

/*
* jcapistd.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the compression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-compression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcapistd.c

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IJK JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.
Since numerous people will be contributing code and bug fixes, it's important to establish a common coding style. The goal of using similar coding styles is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

/*
 * Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
    code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type), or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and
can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

```c
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif
```

which is used like this:
```c
struct function_pointers
{
  JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
  JMETHOD(void, term_entropy_encoder, (void));
};
```

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.
4. Don't use static variables except for read-only constant tables. Variables
that should be private to a module can be placed into private structures (see
the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the
library proper; source files that are not part of the library, such as cjpeg.c
and djpeg.c, do not begin with "j". Keep source file names to eight
characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep
compression and decompression code in separate source files --- some
applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the
modules that are used in cjpeg/djpeg but are not part of the JPEG library
proper. Those modules are not really intended to be used in other
applications.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

/ *
* jmemnobs.c
*

* Copyright (C) 1992-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides a really simple implementation of the system-
* dependent portion of the JPEG memory manager. This implementation
* assumes that no backing-store files are needed: all required space
* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is ignored by this implementation.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmemnobs.c
No license file was found, but licenses were detected in source scan.

/ *
* jsimd.h
*

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
* 
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* 
* */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
 * jmemmgr.c
 *
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the JPEG system-independent memory management
* routines. This code is usable across a wide variety of machines; most
* of the system dependencies have been isolated in a separate file.
* The major functions provided here are:
* * pool-based allocation and freeing of memory;
* * policy decisions about how to divide available memory among the
*   virtual arrays;
* * control logic for swapping virtual arrays between main memory and
*   backing storage.
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
* */

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmemmgr.c
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/*
 * rdjpgcom.c
 *
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* 
* This file contains a very simple stand-alone application that displays
* the text in COM (comment) markers in a JFIF file.
* This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdjpgcom.c
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/*
* jidctfst.c
 *
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* 
* This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
* 
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
* 
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/
/*
 * jidctint.c
 *
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 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 *
 * We also provide IDCT routines with various output sample block sizes for
 * direct resolution reduction or enlargement without additional resampling:
 * NxN (N=1...16) pixels for one 8x8 input DCT block.
 *
 * For N=8 we simply take the corresponding low-frequency coefficients of
 * the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
 * to yield the downscaled outputs.
 * This can be seen as direct low-pass downsampling from the DCT domain
 * point of view rather than the usual spatial domain point of view,
 * yielding significant computational savings and results at least
 * as good as common bilinear (averaging) spatial downsampling.
 *
 * For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
 * lower frequencies and higher frequencies assumed to be zero.
 * It turns out that the computational effort is similar to the 8x8 IDCT
 */
* regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.

* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
* since there would be too many additional constants to pre-calculate.
*/

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctint.c
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 * wrbmp.c
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 *
 * This file contains routines to write output images in Microsoft "BMP"
 * format (MS Windows 3.x and OS/2 1.x flavors).
 * Either 8-bit colormapped or 24-bit full-color format can be written.
 * No compression is supported.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrbmp.c
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/*
 * rdppm.c
 *
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 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
*/

/* Portions of this code are based on the PBPLUS library, which is:
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* jversion.h
*
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1.634 netty 3.10.6.Final
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 */
/** *
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {[@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]}
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {[@link Opcodes]}).
 * @param name
 * the method's name.
 * @param desc

* the method's descriptor (see [@link Type Type]).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
  jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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/**
* Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
* 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}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
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 */

/**
 * Creates a new JSRInliner. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * [JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
 * version.
 *
 * @param mv
 *    the <code>MethodVisitor</code> to send the resulting inlined
 *    method code to (use <code>null</code> for none).
 * @param access
 *    the method's access flags (see [Opcodes]). This
 *    parameter also indicates if the method is synthetic and/or
 *    deprecated.
 * @param name
 *    the method's name.
 */
* @param desc
* the method's descriptor (see [@link Type]).

* @param signature
* the method's signature. May be <tt>null</tt>.

* @param exceptions
* the internal names of the method's exception classes (see
* @link Type#getInternalName() getInternalName()). May be
* <tt>null</tt>.

* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
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*/
/**
* Constructs a new [ @link LocalVariableAnnotationNode ]. <i>Subclasses must
* not use this constructor. Instead, they must use the
* `{ @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String) }
* version.
*
* @param typeRef
* a reference to the annotated type. See `{ @link TypeReference }`.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within `typeRef`. May be
* `<tt>null</tt>` if the annotation targets `typeRef` as a whole.
* @param start
* the fist instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the `start` array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the `start` array.
* @param desc
* the class descriptor of the annotation class.
*/

Found in path(s):
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/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 *        If a subclass calls this constructor.
 */

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/Context.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
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  jar/org/springframework/security/crypto/argon2/Argon2PasswordEncoder.java
* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1-
  jar/org/springframework/security/crypto/argon2/Argon2EncodingUtils.java
* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1-
  jar/org/springframework/security/crypto/scrypt/SCryptPasswordEncoder.java
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  jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java
* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/ScryptPasswordEncoder.java

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* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1.jar/org/springframework/security/crypto/codec/Hex.java
* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1.jar/org/springframework/security/crypto/codec/package-info.java
* /opt/cola/permits/1135880092_1613624048.43/0/spring-security-crypto-5-3-3-release-sources-1.jar/org/springframework/security/crypto/password/AbstractPasswordEncoder.java

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1.645 logstash-filter-fingerprint 3.2.1

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1.650 mustache 0.99.8

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1.651 logstash-output-kafka 8.0.1

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1.657 elasticsearch-curator 5.8.1

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

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

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

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changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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d) If distribution of the work is made by offering access to copy
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1.661 xstream 1.4.11.1

1.662 cryptsetup 2.0.3 6.el7

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------------------------------------------------------------------------------------------------------------------------
1.665 zlib 1.2.11
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   version 1.2.11, January 15th, 2017

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*/

1.666 glib 2.56.1 4.el7_6

1.667 openssl 1.0.2o
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1.675 jul-to-slf4j 1.7.30

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1.676 asm 5.0.4

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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 <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see { @link Opcodes }). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc

jar/org/objectweb.asm/xml/SAXCodeAdapter.java
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* the method's descriptor (see [@link Type]).
* @param signature
* the method's signature. May be <tt>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
*  { [@link Type#getInternalName() getInternalName ] }. May be
*  <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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/ * 
/**
 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [@link Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [@link Type Type]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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 */
/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
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 * version.
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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/**
 * Constructs a new {link ClassNode}. <i>Subclasses must not use this constructor</i>. Instead, they must use the {link #ClassNode(int)} version.
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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/**
 * Constructs a new LocalVariableAnnotationNode. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 *
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * null if the annotation targets 'typeRef' as a whole.
 *
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 *
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 *
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 *
 * @param desc
 * the class descriptor of the annotation class.
 */
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Frame.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/ASMifiable.java

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*/
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 */

@endlink AnalyzerAdapter(}
@endlink
* @param owner
* @param access
* @param version
* @version
* @link Opcodes
* @param name
  * the method's name.
* @param desc
  * the method's descriptor (see [@link Type Type]).
* @param mv
  * the method visitor to which this adapter delegates calls. May
  * be <tt>null</tt>.
* @throws IllegalStateException
  * If a subclass calls this constructor.
*/

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-writer.properties

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/TypeReference.java

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1.677 cracklib 2.9.0 11.el7

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END OF TERMS AND CONDITIONS
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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.>
Copyright (C) <year>  <name of author>

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You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

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

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!
This package was debianized by Jean Pierre LeJaqc
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Abis: Added cronjob, configuration file, and man pages.

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it under the terms of the GNU Lesser General Public License as
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License, or (at your option) any later version.

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/usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux
distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

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license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

-------------------------------------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
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University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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Open Source Used In Cisco Auto Inline Retuner 2.1.0 8191
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What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....

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Re: [Cracklib-devel] cracklib license
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that was used at the time. For any future emails regarding this, please
use nneul@neulinger.org.

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From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunky-mail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that email in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a
1.678 rake 12.3.0

1.678.1 Available under license:
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1.679 python 2.7.5 76.el7

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

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.
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*******************
History and License
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Mersenne Twister

The `:mod:` `_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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The source for the :mod:`fpectl` module includes the following notice::
MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
http://www.ietf.org/rfc/rfc1321.txt
The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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-----------------------------

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-----

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1.680 Isb 4.1+Debian13+nmu1

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1.682 kerberos 1.15.1 37.el7_6

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
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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_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
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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>,'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b(\d{4,})\b/;  
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})\b/;  
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

1.689 polyglot 0.3.5
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1.691 debian-archive-keyring 2019.1+deb10u1

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<mvo@debian.org>

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* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1-jar/org/springframework/security/config/annotation/rsocket/PayloadInterceptorOrder.java
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* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1-jar/org/springframework/security/config/annotation/method/configuration/EnableReactiveMethodSecurity.java
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* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1-
  jar/org/springframework/security/config/authentication/AuthenticationManagerFactoryBean.java
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  jar/org/springframework/security/config/annotation/web/configurers/oauth2/client/OAuth2ClientConfigurerUtils.jav
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  jar/org/springframework/security/config/annotation/authentication/configurers/ldap/LdapAuthenticationProviderCon
figurer.java
* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1-
  jar/org/springframework/security/config/annotation/web/configurers/UrlAuthorizationConfigurer.java
* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1-
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* /opt/cola/permits/1136246070_1613716108.22/0/spring-security-config-5-3-3-release-sources-1.jar/org/springframework/security/config/annotation/web/configurers/AbstractInterceptUrlConfigurer.java
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1.696 e2fsprogs 1.44.1 1ubuntu1.3
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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
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*/
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

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

From the original distribution:

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
# In order to use this stub, the following makefile variables must be defined.

#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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

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Gadi Oxman, August 1995

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1.706 jopt-simple 5.0.2

1.707 google-java-format 1.1
1.708 libsepol 2.8 1

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1.709 logstash-filter-mutate 3.5.0

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jar/com/netflix/discovery/shared/transport/EurekaHttpClientDecorator.java
* /opt/ws_local/PERMITS_SQL/1046515870_1590122369.82/0/eureka-client-1-9-17-sources-
jar/com/netflix/discovery/shared/transport/TransportException.java
* /opt/ws_local/PERMITS_SQL/1046515870_1590122369.82/0/eureka-client-1-9-17-sources-
jar/com/netflix/discovery/shared/transport/decorator/MetricsCollectingEurekaHttpClient.java
* /opt/ws_local/PERMITS_SQL/1046515870_1590122369.82/0/eureka-client-1-9-17-sources-
jar/com/netflix/discovery/shared/resolver/DnsClusterResolver.java
* /opt/ws_local/PERMITS_SQL/1046515870_1590122369.82/0/eureka-client-1-9-17-sources-
jar/com/netflix/discovery/shared/resolver/ReloadingClusterResolver.java

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## -*-makefile-*-

### BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)

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### Commands to generate dependency files

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

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

### Flags for position independent code

SHAREDLIBCFLAGS = -fPIC

SHAREDLIBCXXFLAGS = -fPIC

SHAREDLIBCPPFLAGS = -DPIC

### Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT

LICCPPFLAGS =

### Compiler switch to embed a runtime search path

LD_RPATH=

LD_RPATH_PRE=-Wl,-rpath,

### Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

## Bind internal references

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

# Dependencies [i.e. map files] for the final library
BIR_DEPS=
## Remove shared library 's'

STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

## 1.715 tomcat-embed-el 9.0.21

### 1.715.1 Available under license:

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1.717 libgpg-error 1.17-3

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  jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-
  jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
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  jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java
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  jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-
  jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-
  jar/org/springframework/aop/framework/ProxyMethodInvocation.java
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  jar/org/springframework/aop/TargetClassAware.java
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  jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1068412600_1594398559.49/0/spring-aop-5-2-5-release-sources-1-
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* @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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import 'package:meta/meta.dart' show visibleForTesting;

typedef LicenseEntryCollector = Stream<LicenseEntry> Function();

/// A string that represents one paragraph in a [LicenseEntry].
/// See [LicenseEntry.paragraphs].
class LicenseParagraph {
  const LicenseParagraph(this.text, this.indent);

  /// The text of the paragraph. Should not have any leading or trailing whitespace.
  final String text;

  /// How many steps of indentation the paragraph has.
  /// * 0 means the paragraph is not indented.
  /// * 1 means the paragraph is indented one unit of indentation.
  /// * 2 means the paragraph is indented two units of indentation.
  /// ...and so forth.
  final int indent;

  /// In addition, the special value [centeredIndent] can be used to indicate
  /// that rather than being indented, the paragraph is centered.
  static const int centeredIndent = -1;

  /// A constant that represents "centered" alignment for [indent].
  static const int centeredIndent = -1;
}

/// A license that covers part of the application's software or assets, to show
/// in an interface such as the [LicensePage].
/// For optimal performance, [LicenseEntry] objects should only be created on
/// demand in [LicenseEntryCollector] callbacks passed to
/// [LicenseRegistry.addLicense].
abstract class LicenseEntry {  
  const LicenseEntry();

  /// Abstract const constructor. This constructor enables subclasses to provide
  /// const constructors so that they can be used in const expressions.
}
/// The names of the packages that this license entry applies to.
Iterable<String> get packages;

/// The paragraphs of the license, each as a [LicenseParagraph] consisting of
/// a string and some formatting information. Paragraphs can include newline
/// characters, but this is discouraged as it results in ugliness.
Iterable<LicenseParagraph> get paragraphs;

enum _LicenseEntryWithLineBreaksParserState {
  beforeParagraph,
  inParagraph,
}

/// Variant of [LicenseEntry] for licenses that separate paragraphs with blank
/// lines and that hard-wrap text within paragraphs. Lines that begin with one
/// or more space characters are also assumed to introduce new paragraphs,
/// unless they start with the same number of spaces as the previous line, in
/// which case it's assumed they are a continuation of an indented paragraph.
///
/// /// [@tool snippet]
/// ///
/// /// For example, the BSD license in this format could be encoded as follows:
/// ///
/// /// ```dart
/// /// void initMyLibrary() {
/// ///   LicenseRegistry.addLicense(() async* {
/// ///     yield const LicenseEntryWithLineBreaks(<String>['my_library'], '''
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/// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
/// }
///
/// This would result in a license with six [paragraphs], the third, fourth, and
/// fifth being indented one level.
///
/// ## Performance considerations
///
/// Computing the paragraphs is relatively expensive. Doing the work for one
/// license per frame is reasonable; doing more at the same time is ill-advised.
/// Consider doing all the work at once using [compute] to move the work to
/// another thread, or spreading the work across multiple frames using
/// [SchedulerBinding.scheduleTask].

class LicenseEntryWithLineBreaks extends LicenseEntry {
  /// Create a license entry for a license whose text is hard-wrapped within
  /// paragraphs and has paragraph breaks denoted by blank lines or with
  /// indented text.
  const LicenseEntryWithLineBreaks(this.packages, this.text);  

  @override
  final List<String> packages;

  /// The text of the license.
  ///
  /// The text will be split into paragraphs according to the following
  /// conventions:
  ///
  /// * Lines starting with a different number of space characters than the
  ///   previous line start a new paragraph, with those spaces removed.
  /// * Blank lines start a new paragraph.
  /// * Other line breaks are replaced by a single space character.
  /// * Leading spaces on a line are removed.
  ///
  /// For each paragraph, the algorithm attempts (using some rough heuristics)
  /// to identify how indented the paragraph is, or whether it is centered.
  
  final String text;

  @override
  Iterable<LicenseParagraph> get paragraphs sync* {

...
int lineStart = 0;
int currentPosition = 0;
int lastLineIndent = 0;
int currentLineIndent = 0;
int? currentParagraphIndentation;
_LicenseEntryWithLineBreaksParserState state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
final List<String> lines = <String>[

void addLine() {
  assert(lineStart < currentPosition);
  lines.add(text.substring(lineStart, currentPosition));
}

LicenseParagraph getParagraph() {
  assert(lines.isNotEmpty);
  assert(currentParagraphIndentation != null);
  final LicenseParagraph result = LicenseParagraph(lines.join(' '), currentParagraphIndentation!);
  assert(result.text.trimLeft() == result.text);
  assert(result.text.isNotEmpty);
  lines.clear();
  return result;
}

while (currentPosition < text.length) {
  switch (state) {
    case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
      assert(lineStart == currentPosition);
      switch (text[currentPosition]) {
        case ' ':
          lineStart = currentPosition + 1;
          currentLineIndent += 1;
          state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
          break;
        case '	':
          lineStart = currentPosition + 1;
          currentLineIndent += 8;
          state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
          break;
        case '':
          case '
':
          case '':
            if (lines.isNotEmpty) {
              yield getParagraph();
            }
            if (text[currentPosition] == '' && currentPosition < text.length - 1
                && text[currentPosition + 1] == '
') {
                currentPosition += 1;
            }
        case '\":
          lineStart = currentPosition + 1;
          currentLineIndent += 1;
          state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
          break;
        case '\\':
          if (lines.isNotEmpty) {
            yield getParagraph();
          }
          if (text[currentPosition] == '\\' && currentPosition < text.length - 1
              && text[currentPosition + 1] == '\n') {
              currentPosition += 1;
          }
      }
  }
}
lastLineIndent = 0;
currentLineIndent = 0;
currentParagraphIndentation = null;
lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
case '[':
    // This is a bit of a hack for the LGPL 2.1, which does something like this:
    //
    // [this is a
    //  single paragraph]
    //
    // ...near the top.
currentLineIndent += 1;
continue startParagraph;
startParagraph:
default:
    if (lines.isNotEmpty && currentLineIndent > lastLineIndent) {
        yield getParagraph();
currentParagraphIndentation = null;
    }

    // The following is a wild heuristic for guessing the indentation level.
    // It happens to work for common variants of the BSD and LGPL licenses.
    if (currentParagraphIndentation == null) {
        if (currentLineIndent > 10)
            currentParagraphIndentation = LicenseParagraph.centeredIndent;
        else
            currentParagraphIndentation = currentLineIndent ~/ 3;
    }
    state = _LicenseEntryWithLineBreaksParserState.inParagraph;
}
break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
    switch (text[currentPosition]) {
case 'n':
    addLine();
    lastLineIndent = currentLineIndent;
currentLineIndent = 0;

    lineStart = currentPosition + 1;
    state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
case 'f':
    addLine();
    yield getParagraph();
    lastLineIndent = 0;
currentLineIndent = 0;
currentParagraphIndentation = null;

    lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
default:
state = _LicenseEntryWithLineBreaksParserState.inParagraph;
}
break;
}
currentPosition += 1;
}
switch (state) {
case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
if (lines.isNotEmpty) {
yield getParagraph();
}
break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
addLine();
yield getParagraph();
break;
}
}

/// A registry for packages to add licenses to, so that they can be displayed
/// together in an interface such as the [LicensePage].
///
/// Packages can register their licenses using [addLicense]. User interfaces
/// that wish to show all the licenses can obtain them by calling [licenses].
///
/// The flutter tool will automatically collect the contents of all the LICENSE
/// files found at the root of each package into a single LICENSE file in the
/// default asset bundle. Each license in that file is separated from the next
/// by a line of eighty hyphens (`-`), and begins with a list of package names
/// that the license applies to, one to a line, separated from the next by a
/// blank line. The `services` package registers a license collector that splits
/// that file and adds each entry to the registry.
///
/// The LICENSE files in each package can either consist of a single license, or
/// can be in the format described above. In the latter case, each component
/// license and list of package names is merged independently.
///
/// See also:
///
/// * [showAboutDialog], which shows a Material-style dialog with information
/// about the application, including a button that shows a [LicensePage] that
/// uses this API to select licenses to show.
/// * [AboutListTile], which is a widget that can be added to a [Drawer]. When
/// tapped it calls [showAboutDialog].
class LicenseRegistry {
    // This class is not meant to be instantiated or extended; this constructor
    // prevents instantiation and extension.
    LicenseRegistry._();

    static List<LicenseEntryCollector>? _collectors;

    /// Adds licenses to the registry.
    ///
    /// To avoid actually manipulating the licenses unless strictly necessary,
    /// licenses are added by adding a closure that returns a list of
    /// [LicenseEntry] objects. The closure is only called if [licenses] is itself
    /// called; in normal operation, if the user does not request to see the
    /// licenses, the closure will not be called.
    static void addLicense(LicenseEntryCollector collector) {
        _collectors ??= <LicenseEntryCollector>();
        _collectors!.add(collector);
    }

    /// Returns the licenses that have been registered.
    ///
    /// Generating the list of licenses is expensive.
    static Stream<LicenseEntry> get licenses async* {
        if (_collectors == null)
            return;
        for (final LicenseEntryCollector collector in _collectors!)
            yield* collector();
    }

    /// Resets the internal state of [LicenseRegistry]. Intended for use in
    /// testing.
    @visibleForTesting
    static void reset() {
        _collectors = null;
    }
}

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

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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import 'package:package_config/package_config.dart';

import 'base/file_system.dart';

/// Processes dependencies into a string representing the NOTICES file.
///
/// Reads the NOTICES or LICENSE file from each package in the .packages file,
/// splitting each one into each component license so that it can be de-duped
/// if possible. If the NOTICES file exists, it is preferred over the LICENSE
/// file.
///
/// Individual licenses inside each LICENSE file should be separated by 80
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///
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/// which the component license applies, with each package name on its own line.
/// and the list of package names separated from the actual license text by a
/// blank line. The packages need not match the names of the pub package. For
/// example, a package might itself contain code from multiple third-party
/// sources, and might need to include a license for each one.

class LicenseCollector {
  LicenseCollector(
    required FileSystem fileSystem
  ) : _fileSystem = fileSystem;

  final FileSystem _fileSystem;

  /// The expected separator for multiple licenses.
  static final String licenseSeparator = '
' + ('-' * 80) + '
';

  /// Obtain licenses from the `packageMap` into a single result.
  /// [additionalLicenses] should contain aggregated license files from all
  /// of the current applications dependencies.
  LicenseResult obtainLicenses(
    PackageConfig packageConfig,
    Map<String, List<File>> additionalLicenses,
  ) {
    final Map<String, Set<String>> packageLicenses = <String, Set<String>>{};
    final Set<String> allPackages = <String>{};
    final List<File> dependencies = <File>[
      for (final Package package in packageConfig.packages) {
        final Uri packageUri = package.packageUriRoot;
        if (packageUri == null || packageUri.scheme != 'file') {
          continue;
        }
        // First check for NOTICES, then fallback to LICENSE
        File file = _fileSystem.file(packageUri.resolve('../NOTICES'));
        if (!file.existsSync()) {
          file = _fileSystem.file(packageUri.resolve('../LICENSE'));
        }
        if (!file.existsSync()) {
          continue;
        }
        dependencies.add(file);
        final List<String> rawLicenses = file
          .readAsStringSync()
          .split(licenseSeparator);
        for (final String rawLicense in rawLicenses) {
          List<String> packageNames = <String>[
            String? licenseText;
          if (rawLicenses.length > 1) {
            continue;
          }
final int split = rawLicense.indexOf('\n\n');
if (split >= 0) {
    packageNames = rawLicense.substring(0, split).split('\n');
    licenseText = rawLicense.substring(split + 2);
}
}
if (licenseText == null) {
    packageNames = <String>[package.name];
    licenseText = rawLicense;
}
packageLicenses.putIfAbsent(licenseText, () => <String>{}).addAll(packageNames);
allPackages.addAll(packageNames);
}

final List<String> combinedLicensesList = packageLicenses.keys
    .map<String>((String license) {
    final List<String> packageNames = packageLicenses[license]!.toList()
        .sort();
    return packageNames.join('\n') + '\n\n' + license;
}).toList();
combinedLicensesList.sort();

/// Append additional LICENSE files as specified in the pubspec.yaml.
final List<String> additionalLicenseText = <String>[
];
final List<String> errorMessages = <String>[
];
for (final String package in additionalLicenses.keys) {
    for (final File license in additionalLicenses[package]!) {
        if (!license.existsSync()) {
            errorMessages.add(
                'package $package specified an additional license at ${license.path}, but this file '
                'does not exist.'
            );
            continue;
        }
        dependencies.add(license);
        try {
            additionalLicenseText.add(license.readAsStringSync());
        } on FormatException catch (err) {
            // File has an invalid encoding.
            errorMessages.add(
                'package $package specified an additional license at ${license.path}, but this file '
                'could not be read:\n\n$err'
            );
        } on FileSystemException catch (err) {
            // File cannot be parsed.
            errorMessages.add(
                'package $package specified an additional license at ${license.path}, but this file'
'could not be read:\nSerr'
);  
}  
}
}
}

if (errorMessages.isNotEmpty) {
  return LicenseResult(
    combinedLicenses: ",
    dependencies: <File>[],
    errorMessages: errorMessages,
  );
}
}

final String combinedLicenses = combinedLicensesList
  .followedBy(additionalLicenseText)
  .join(licenseSeparator);

return LicenseResult(
  combinedLicenses: combinedLicenses,
  dependencies: dependencies,
  errorMessages: errorMessages,
);
}
}

/// The result of processing licenses with a [LicenseCollector].
class LicenseResult {
  const LicenseResult(
    required this.combinedLicenses,
    required this.dependencies,
    required this.errorMessages,
  );
}

/// The raw text of the consumed licenses.
final String combinedLicenses;

/// Each license file that was consumed as input.
final List<File> dependencies;

/// If non-empty, license collection failed and this messages should
/// be displayed by the asset parser.
final List<String> errorMessages;
}

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import 'package:flutter/foundation.dart';
import 'package:flutter/material.dart';
import 'package:flutter_driver/driver_extension.dart';

/// This application does nothing but show a screen with the flutter package
/// license in it.
void main() {

```
enableFlutterDriverExtension();
runApp(const ShowLicenses());
}

class ShowLicenses extends StatelessWidget {
  const ShowLicenses({Key key}) : super(key: key);

  Widget _buildTestResultWidget(BuildContext context,
      AsyncSnapshot<List<LicenseEntry>> snapshot,
    ) {
    final List<LicenseEntry> entries = snapshot.data;
    String:flutterPackage = "";
    final List<String> flutterParagraphs = <String>[
      String:enginePackage = "";
      final List<String> engineParagraphs = <String>[
    for (final LicenseEntry entry in entries) {
      if (entry.packages.contains('flutter')) {
        flutterPackage = 'flutter';
        flutterParagraphs.addAll(
            entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
          );
      }
      if (entry.packages.contains('engine')) {
        enginePackage = 'engine';
        engineParagraphs.addAll(
            entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
          );
      }
    }

    final List<Widget> result = <Widget>[
      const Text('License Check Test', key: ValueKey<String>('Header')),
      Text(flutterPackage, key: const ValueKey<String>('FlutterPackage')),
      Text(flutterParagraphs.join(''), key: const ValueKey<String>('FlutterLicense')),
      Text('${flutterParagraphs.length}', key: const ValueKey<String>('FlutterCount')),
      Text(enginePackage, key: const ValueKey<String>('EnginePackage')),
      Text(engineParagraphs.join(''), key: const ValueKey<String>('EngineLicense')),
      Text('${engineParagraphs.length}', key: const ValueKey<String>('EngineCount')),
    ]);}

    return ListView(
      children: result,
    );
  }
}
@override
Widget build(BuildContext context) {
  return MaterialApp(
    home: Scaffold(
      body: FutureBuilder<List<LicenseEntry>>(
        initialData: const <LicenseEntry>[],
        builder: _buildTestResultWidget,
        future: LicenseRegistry.licenses.toList(),
      ),
    ),
  );
}

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abseil-cpp

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to include only information relevant to libjpeg-turbo, to wordsmith certain 
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README. It is included only for reference. Please see README.md for 
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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, 
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log        Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.txt       How to use the JPEG library in your own programs.
example.c         Sample code for calling the JPEG library.
structure.txt     Overview of the JPEG library's internal structure.
coderules.txt     Coding style rules --- please read if you contribute code.

Please read at least usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

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

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and grayscale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

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

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG.
decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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

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

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

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

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


The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS
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The "official" archive site for this software is www.injg.org.
The most recent released version can always be found there in
directory "files".

The JPEG FAQ (Frequently Asked Questions) article is a source of some
general information about JPEG.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

FILE FORMAT WARS
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The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together
with ITU-T SG16) currently promotes different formats containing the name
"JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does
not support these formats (see REFERENCES). Indeed, one of the original
reasons for developing this free software was to help force convergence on
common, interoperable format standards for JPEG files.
Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG
image files indefinitely.)

TO DO
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Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

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

THE BASIC LIBRARY FUNCTIONS
---------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

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PCRE JUST-IN-TIME COMPILATION SUPPORT
-------------------------------------

Written by: Zoltan Herczeg
Email local part: hzmester
Email domain: freemail.hu

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STACK-LESS JUST-IN-TIME COMPILER
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Written by: Zoltan Herczeg
Email local part: hzmester
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THE C++ WRAPPER FUNCTIONS
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End

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import 'package:file/memory.dart';
import 'package:flutter_tools/src/base/file_system.dart';
import 'package:flutter_tools/src/convert.dart';
import 'package:flutter_tools/src/license_collector.dart';
import 'package:package_config/package_config.dart';

import './src/common.dart';

const String _kMitLicense = r'''
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SOFTWARE.
'''

const String _kApacheLicense = r'''
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void main() {
FileSystem fileSystem;
LicenseCollector licenseCollector;

setUp() {
  fileSystem = MemoryFileSystem.test();
  licenseCollector = LicenseCollector(fileSystem: fileSystem);
}

testWithoutContext('processes dependent licenses according to instructions', () async {
  fileSystem.file('foo/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kMitLicense);

  fileSystem.file('bar/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kApacheLicense);

  // NOTICES is preferred over LICENSE
  fileSystem.file('bar/LICENSE')
    ..createSync(recursive: true)
    ..writeAsStringSync('SHOULD NOT BE INCLUDED');

  fileSystem.file('fizz/LICENSE')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kMitLicense); // intentionally a duplicate

  final File packageConfigFile = fileSystem.file('package_config.json')
    ..writeAsStringSync(json.encode(
      <String, Object> {
        'configVersion': 2,
        'packages': <Object> [
          <String, Object> {
            'name': 'foo',
            'rootUri': 'file:///foo/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          },
          <String, Object> {
            'name': 'bar',
            'rootUri': 'file:///bar/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          },
          <String, Object> {
            'name': 'fizz',
            'rootUri': 'file:///fizz/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          }
        ]
      }
    )
);
final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);
final LicenseResult result = licenseCollector.obtainLicenses(packageConfig, <String, List<File>>{ });

// All included licenses are combined in the result.
expect(result.combinedLicenses, contains(_kApacheLicense));
expect(result.combinedLicenses, contains(_kMitLicense));

// String from LICENSE file was not included when NOTICES exists.
expect(result.combinedLicenses, isNot(contains('SHOULD NOT BE INCLUDED')));

// Licenses are de-duplicated correctly.
expect(result.combinedLicenses.split(LicenseCollector.licenseSeparator), hasLength(2));

// All input licenses included in result.
final Iterable<String> filePaths = result.dependencies.map((File file) => file.path);
expect(filePaths, unorderedEquals(<String>[
  '/foo/NOTICES',
  '/bar/NOTICES',
  '/fizz/LICENSE'
]));

testWithoutContext('includes additional LICENSE files as specified by pubspec.yaml', () async {
  fileSystem.file('foo/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kMitLicense);
  fileSystem.file('bar/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kApacheLicense);
  fileSystem.file('foo.txt').writeAsStringSync('foo.txt');
  fileSystem.file('bar.txt').writeAsStringSync('bar.txt');

  final File packageConfigFile = fileSystem.file('package_config.json')
    ..writeAsStringSync(json.encode(<String, Object>{
      'configVersion': 2,
      'packages': <Object>[
        <String, Object>{
          'name': 'foo',
          'rootUri': 'file:///foo/',
          'packageUri': 'lib/',
          'languageVersion': '2.2'
        },
        <String, Object>{
          'name': 'bar',
          'rootUri': 'file:///bar/',
          'packageUri': 'lib/',
        }
      ]
    }));

  licenseCollector = LicenseCollector();
  packageConfigFile = fileSystem.file('package_config.json')
    ..writeAsStringSync(json.encode(<String, Object>{
      'configVersion': 2,
      'packages': <Object>[
        <String, Object>{
          'name': 'foo',
          'rootUri': 'file:///foo/',
          'packageUri': 'lib/',
          'languageVersion': '2.2'
        },
        <String, Object>{
          'name': 'bar',
          'rootUri': 'file:///bar/',
          'packageUri': 'lib/',
        }
      ]
    }));

  loadPackageConfig = () async {
    fileSystem.file('package_config.json')
      ..writeAsStringSync(json.encode(<String, Object>{
        'configVersion': 2,
        'packages': <Object>[
          <String, Object>{
            'name': 'foo',
            'rootUri': 'file:///foo/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          },
          <String, Object>{
            'name': 'bar',
            'rootUri': 'file:///bar/',
            'packageUri': 'lib/',
          }
        ]
      }));

  obtainLicenses = licenseCollector.obtainLicenses;
final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);
final LicenseResult result = licenseCollector.obtainLicenses(packageConfig, <String, List<File>>{
    'foo': <File>[fileSystem.file('foo.txt').absolute],
    'bar': <File>[fileSystem.file('bar.txt').absolute],
});

// Additional license files are included in the result.
expect(result.combinedLicenses, contains(_kApacheLicense));
expect(result.combinedLicenses, contains(_kMitLicense));
expect(result.combinedLicenses, contains('foo.txt'));
expect(result.combinedLicenses, contains('bar.txt'));

// All input licenses included in result.
final Iterable<String> filePaths = result.dependencies.map((File file) => file.path);
expect(filePaths, unorderedEquals(<String>[
    '/foo/NOTICES',
    '/bar/NOTICES',
    '/foo.txt',
    '/bar.txt',
]));

// Returns a LicenseResult with an error message if an additional LICENSE file does not exist.
testWithoutContext('Returns a LicenseResult with an error message if an additional LICENSE file does not exist', () async {

    final File packageConfigFile = fileSystem.file('package_config.json')
        ..writeAsStringSync(json.encode(<String, Object>{
            'configVersion': 2,
            'packages': <Object>{
                <String, Object>{
                    'name': 'foo',
                    'rootUri': 'file://foo/',
                    'packageUri': 'lib/',
                    'languageVersion': '2.2'
                },
            },
        }));

    final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);

...
final LicenseResult licenseResult = licenseCollector.obtainLicenses(packageConfig, <String, List<File>>{
    'foo': <File>[fileSystem.file('foo.txt').absolute, fileSystem.file('foo_2.txt').absolute], // Files do not exist.
});

expect(licenseResult.combinedLicenses, '');
expect(licenseResult.dependencies, isEmpty);
expect(licenseResult.errorMessages, <String>[%
    'package foo specified an additional license at /foo.txt, but this file does not exist.',
    'package foo specified an additional license at /foo_2.txt, but this file does not exist.'
]);

expectWithoutContext('Returns a LicenseResult with an error message if an additional license file is not valid utf8', () async {
    fileSystem.file('foo/NOTICES')
        ..createSync(recursive: true)
        ..writeAsStringSync(_kMitLicense);
    fileSystem.file('foo.txt')
        ..createSync(recursive: true)
        ..writeAsBytesSync(<int>[0xFFFE]);

    final File packageConfigFile = fileSystem.file('package_config.json')
        ..writeAsStringSync(json.encode(
            <String, Object>{
                'configVersion': 2,
                'packages': <Object>{
                    <String, Object>{
                        'name': 'foo',
                        'rootUri': 'file:///foo/',
                        'packageUri': 'lib/',
                        'languageVersion': '2.2'
                    },
                    ...
                }
            }
        ));
    final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);

    final LicenseResult licenseResult = licenseCollector.obtainLicenses(packageConfig, <String, List<File>>{
        'foo': <File>[fileSystem.file('foo.txt').absolute], // Files do not exist.
    });

    expect(licenseResult.combinedLicenses, '');
    expect(licenseResult.dependencies, isEmpty);
    expect(licenseResult.errorMessages.single,
        'package foo specified an additional license at /foo.txt, but this file could not be read:
        FileSystemException: Invalid UTF-8 byte, path = '/foo.txt'
    );
});
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
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If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these 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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<one line to give the library's name and a brief idea of what it does.>

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Source: http://www.sqlite.org/copyright.html
Contents of this folder are ported from
https://github.com/w3c/web-platform-tests/tree/master/selectors-api

It is based on commit 96c61ac7c21f7f37526d1c03c4c6087734524130

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1.723 simple-oauth 0.3.1

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1.724 wheel 0.33.6

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1.725 logstash-output-elasticsearch 10.1.0

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Written by: Philip Hazel
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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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1.749 python-dateutil 2.8.1

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-------------------------------------------------------------

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1.750 libclass-c3-perl 0.26-1

1.751 lang-mustache-client 7.2.0

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source: https://github.com/msgpack/msgpack-ruby/blob/v1.2.4/ext/msgpack/

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# Jackson JSON processor

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

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

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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TEST-bundler-1.16.1
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1.755 logstash-input-exec 3.3.2

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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/CharArrayBase64Decoder.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/StringBase64Decoder.java
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/ValueEncoderFactory.java
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1.758 rack 1.6.11

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\[
\text{class C} \\
\begin{align*}
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\text{val } y : ((\text{Int}, \text{Int}, \text{Int}) \Rightarrow \text{Int}) &= (((a, !!) \Rightarrow a) \\
\text{val } z : ((\text{Int}, \text{Int}, \text{Int}) \Rightarrow \text{Int}) &= (((a, \text{NotAPatternVariableName}, c)) \Rightarrow a)
\end{align*}
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
    val x: ((Int, Int) => Int) = (((a, b)) => a)
^  
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
    val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^  
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
    val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^  
three errors found

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Croeker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW        General description of JPEG and the IJG software.
LEGAL ISSUES    Copyright, lack of warranty, terms of distribution.
REFERENCES      Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO           Plans for future IJG releases.

Other documentation files in the distribution are:

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

Programmer and internal documentation:
libjpeg.doc     How to use the JPEG library in your own programs.
example.c       Sample code for calling the JPEG library.
structure.doc   Overview of the JPEG library's internal structure.
filelist.doc    Road map of IJG files.
coderules.doc   Coding style rules --- please read if you contribute code.
Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

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

OVERVIEW
========

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

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

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

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

The emphasis in designing this software has been on achieving portability and
flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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

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

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

We are required to state that
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REFERENCES

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

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

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


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

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

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

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

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

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

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS
================

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

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

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.
1.764 checker-compat-qual 2.5.5

1.764.1 Available under license:

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 * $Header: /home/cvs/jakarta-struts/LICENSE,v 1.2 2001/02/02 00:38:31 craigmcc Exp $
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No license file was found, but licenses were detected in source scan.

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Bnd-LastModified: 1578049665284
Build-Jdk: 1.8.0_232
Built-By: yak
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 3.0.0
1.771 gorilla 1.8.0

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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ForwardingQueue.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ForwardingIterator.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ExplicitOrdering.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/HashMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/Maps.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/AbstractIterator.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ForwardingMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AbstractMultiset.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Functions.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AbstractMapBasedMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/AbstractMapEntry.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Supplier.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableAsList.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/MinMaxPriorityQueue.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/UnmodifiableListIterator.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedMapDifference.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RowSortedTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/package-info.java
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* /opt/cola/permits/115090999_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/115090999_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableRangeMap.java
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  jar/com/google/common/math/MathPreconditions.java
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jar/com/google/common/reflect/TypeVisitor.java
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jar/com/google/common/collection/MultimapBuilder.java
*/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
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jar/com/google/common/collection/ImmutableMapEntry.java
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jar/com/google/common/eventbus/SubscriberExceptionHandler.java
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/* chown-core.c -- core functions for changing ownership.  
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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>
#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E)	    
    ((E)->fts_info == FTS_D)
    || (E)->fts_info == FTS_DC
    || (E)->fts_info == FTS_DP
    || (E)->fts_info == FTS_DNR)

enum RCH_status
{
    /* we called fchown and close, and both succeeded */
    RC_ok = 2,

    /* required_uid and/or required_gid are specified, but don't match */
    RC_excluded,

    /* SAME_INODE check failed */
    RC_inode_changed,

    /* open/fchown isn't needed, isn't safe, or doesn't work due to permissions problems; fall back on chown */
    RC_do_ordinary_chown,

    /* open, fstat, fchown, or close failed */
    RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
    chopt->verbosity = V_off;
    chopt->root_dev_ino = NULL;
    chopt->affect_symlink_referent = true;
    chopt->recurse = false;
    chopt->force_silent = false;
    chopt->user_name = NULL;
    chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
/* Deliberately do not free chopt->user_name or ->group_name.
They're not always allocated. */
}
/* Convert the numeric group-id, GID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding group name, use the decimal
representation of the ID. */
extern char *
gid_to_name (gid_t gid)
{
char buf[INT_BUFSIZE_BOUND (intmax_t)];
struct group *grp = getgrgid (gid);
return xstrdup (grp ? grp->gr_name
: TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf)
: umaxtostr (gid, buf));
}
/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding user name, use the decimal
representation of the ID. */
extern char *
uid_to_name (uid_t uid)
{
char buf[INT_BUFSIZE_BOUND (intmax_t)];
struct passwd *pwd = getpwuid (uid);
return xstrdup (pwd ? pwd->pw_name
: TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf)
: umaxtostr (uid, buf));
}
/* Allocate a string representing USER and GROUP. */
static char *
user_group_str (char const *user, char const *group)
{
char *spec = NULL;
if (user)
{
if (group)
{
spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
}
else
{

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spec = xstrdup (user);
}
}
else if (group)
{
    spec = xstrdup (group);
}
return spec;
}

/* Tell the user how/if the user and group of FILE have been changed.
   If USER is NULL, give the group-oriented messages.
   CHANGED describes what (if anything) has happened. */

static void
describe_change (const char *file, enum Change_status changed,
                 char const *old_user, char const *old_group,
                 char const *user, char const *group)
{
    const char *fmt;
    char *old_spec;
    char *spec;

    if (changed == CH_NOT_APPLIED)
    {
        printf (_("neither symbolic link %s nor referent has been changed\n"),
                quote (file));
        return;
    }

    spec = user_group_str (user, group);
    old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

    switch (changed)
    {
    case CH_SUCCEEDED:
        fmt = (user ? _("changed ownership of %s from %s to %s\n")
                      : group ? _("changed group of %s from %s to %s\n")
                      : _("no change to ownership of %s\n"));
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n")
                          : group ? _("failed to change group of %s from %s to %s\n")
                          : _("failed to change ownership of %s\n"));
        }
    }
else
{
    fmt = (user ? "failed to change ownership of %s to %s\n"
    : group ? "failed to change group of %s to %s\n"
    : "failed to change ownership of %s\n");
    free (old_spec);
    old_spec = spec;
    spec = NULL;
}
break;
case CH_NO_CHANGE_REQUESTED:
    fmt = (user ? "ownership of %s retained as %s\n"
    : group ? "group of %s retained as %s\n"
    : "ownership of %s retained\n");
    break;
default:
    abort ();
}

printf (fmt, quote (file), old_spec, spec);
free (old_spec);
free (spec);
}

/* Change the owner and/or group of the FILE to UID and/or GID (safely)
only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs
of FILE. ORIG_ST must be the result of 'stat'ing FILE.

The 'safely' part above means that we can't simply use chown(2),
since FILE might be replaced with some other file between the time
of the preceding stat/lstat and this chown call. So here we open
FILE and do everything else via the resulting file descriptor.
We first call lstat and verify that the dev/inode match those from
the preceding stat call, and only then, if appropriate (given the
required_uid and required_gid constraints) do we call fchown.

Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a
special file that might have undesirable side effects when opening.
In this case the caller can use the less-safe ordinary chown.

Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
    struct stat const *orig_st,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid)
enum RCH_status status = RC_ok;
struct stat st;
int open_flags = O_NONBLOCK | O_NOCTTY;
int fd;

if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
    return RC_do_ordinary_chown;

if (! S_ISREG (orig_st->st_mode))
{
    if (S_ISDIR (orig_st->st_mode))
        open_flags |= O_DIRECTORY;
    else
        return RC_do_ordinary_chown;
}

fd = openat (cwd_fd, file, O_RDONLY | open_flags);
if (! (0 <= fd
    || (errno == EACCES && S_ISREG (orig_st->st_mode)
        && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags))))))
    return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

if (fstat (fd, &st) != 0)
    status = RC_error;
else if (! SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if ((required_uid == (uid_t) -1 || required_uid == st.st_uid)
    && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
{
    if (fchown (fd, uid, gid) == 0)
        status = (close (fd) == 0
            ? RC_ok : RC_error);
    return status;
}
else
{
    status = RC_error;
}
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;}
/* Change the owner and/or group of the file specified by FTS and ENT to UID and/or GID as appropriate. If REQUIRED_UID is not -1, then skip files with any other user ID. If REQUIRED_GID is not -1, then skip files with any other group ID. CHOPT specifies additional options. Return true if successful. */

static bool
change_file_owner (FTS *fts, FTSENT *ent,
                   uid_t uid, gid_t gid,
                   uid_t required_uid, gid_t required_gid,
                   struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /"
                 and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;

    case FTS_DP:
        if (! chopt->recurse)
            return true;
        break;

    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
 indicator is determined at the time of the initial fts_open call.
With programs like chmod, chown, and chgrp, that modify permissions, it is possible that the file in question is accessible when control reaches this point. So, if this is the first time we've seen the FTS_NS for this file, tell fts_read to stat it "again". */

if (ent->fts_level == 0 && ent->fts_number == 0)
    {
        ent->fts_number = 1;
        fts_set (fts, ent, FTS_AGAIN);
        return true;
    }
if (! chopt->force_silent)
    error (0, ent->fts_errno, _("cannot access %s"),
          quote (file_full_name));
ok = false;
break;

case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "%s", quote (file_full_name));
    ok = false;
    break;

case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot read directory %s"),
              quote (file_full_name));
    ok = false;
    break;

case FTS_DC://* directory that causes cycles */
    if (cycle_warning_required (fts, ent))
        {
            emit_cycle_warning (file_full_name);
            return false;
        }
    break;

default:
    break;
}

if (!ok)
    {
        do_chown = false;
        file_stats = NULL;
    }
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
&& chopt->verbosity == V_off
&& ! chopt->root_dev_ino
&& ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
} else
{
    file_stats = ent->fts_statp;
}

/* If this is a symlink and we're dereferencing them, 
   stat it to get info on the referent. */
if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
{
    if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
    {
        if (! chopt->force_silent)
            error (0, errno, _("cannot dereference \%s"),
                   quote (file_full_name));
        ok = false;
    }

    file_stats = &stat_buf;
}

do_chown = (ok
    && (required_uid == (uid_t) -1
        || required_uid == file_stats->st_uid)
    && (required_gid == (gid_t) -1
        || required_gid == file_stats->st_gid));
}

/* This happens when chown -LR --preserve-root encounters a symlink-to-/.
   */
if (ok
    && FTSENT_IS_DIRECTORY (ent)
    && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
{
    ROOT_DEV_INO_WARN (file_full_name);
    return false;
}

if (do_chown)
{
    if (! chopt->affect_symlink_referent)
    {
        ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);
    }
/* Ignore any error due to lack of support; POSIX requires this behavior for top-level symbolic links with -h, and implies that it's required for all symbolic links. */
if (!ok && errno == EOPNOTSUPP)
{
    ok = true;
    symlink_changed = false;
}
else
{
    /* If possible, avoid a race condition with --from=O:G and without the (-h) --no-dereference option. If fts's stat call determined that the uid/gid of FILE matched the --from=O:G-selected owner and group IDs, blindly using chown(2) here could lead chown(1) or chgrp(1) mistakenly to dereference a *symlink* to an arbitrary file that an attacker had moved into the place of FILE during the window between the stat and chown(2) calls. If FILE is a regular file or a directory that can be opened, this race condition can be avoided safely. */

eenum RCH_status err
    = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
                    required_uid, required_gid);
switch (err)
{
    case RC_ok:
        break;

    case RC_do_ordinary_chown:
        ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
        break;

    case RC_error:
        ok = false;
        break;

    case RC_inode_changed:
        /* FIXME: give a diagnostic in this case? */
    case RC_excluded:
        do_chown = false;
        ok = false;
        break;

    default:
        abort ()
        ;
    }
}
/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */

if (do_chown && !ok && ! chopt->force_silent)
    error (0, errno, (uid != (uid_t) -1
                     ? _("changing ownership of %s")
                     : _("changing group of %s")),
                quote (file_full_name));

if (chopt->verbosity != V_off)
{
    bool changed =
        ((do_chown && ok && symlink_changed)
         && ! ((uid == (uid_t) -1 || uid == file_stats->st_uid)
               && (gid == (gid_t) -1 || gid == file_stats->st_gid)));

    if (changed || chopt->verbosity == V_high)
    {
        enum Change_status ch_status =
            (!ok ? CH_FAILED
             : !symlink_changed ? CH_NOT_APPLIED
             : !changed ? CH_NO_CHANGE_REQUESTED
             : CH_SUCCEEDED);
        char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
        char *old_grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
        describe_change (file_full_name, ch_status,
                         old_usr, old_grp,
                         chopt->user_name, chopt->group_name);
        free (old_usr);
        free (old_grp);
    }
}

if ( ! chopt->recurse)
    fts_set (fts, ent, FTS_SKIP);

return ok;
}

/* Change the owner and/or group of the specified FILES.
BIT_FLAGS specifies how to treat each symlink-to-directory
that is encountered during a recursive traversal.*/
CHOPT specifies additional options.
If UID is not -1, then change the owner id of each file to UID.
If GID is not -1, then change the group id of each file to GID.
If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
files with user ID and group ID that match the non(-1) value(s).
Return true if successful. */

extern bool
chown_files (char **files, int bit_flags,
uid_t uid, gid_t gid,
uid_t required_uid, gid_t required_gid,
struct Chown_option const *chopt)
{
  bool ok = true;

  /* Use lstat and stat only if they're needed. */
  int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
    || chopt->affectSymlinkReferent
    || chopt->verbosity != V_off)
    ? 0 :
    : FTS_NOSTAT);

  FTS *fts = xfts_open (files, bit_flags | stat_flags, NULL);

  while (1)
  {
    FTSENT *ent;

    ent = fts_read (fts);
    if (ent == NULL)
    {
      if (errno != 0)
      {
        /* FIXME: try to give a better message */
        if (! chopt->forceSilent)
          error (0, errno, _("fts_read failed");
        ok = false;
      }
      break;
    }

    ok &= change_file_owner (fts, ent, uid, gid,
      required_uid, required_gid, chopt);
  }

  if (fts_close (fts) != 0)
  {
    error (0, errno, _("fts_close failed");
    ok = false;
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org.springframework.core.ReactiveAdapterRegistry$SpringCoreBlockHoundIntegration

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* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/ModuleWriter.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/ClassTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/AnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Constants.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Context.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Frame.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/MethodTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
  jar/org/springframework/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-jar/org/springframework/core/serializer/DefaultSerializer.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-jar/org/springframework/core/convert/support/StringToCharsetConverter.java
* /opt/ws_local/PERMITS_SQL/1067899250_1594254288.09/0/spring-core-5-2-7-release-sources-jar/org/springframework/core/type/MethodMetadata.java

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL 2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache
The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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.
1.814 spring-cloud-starter-netflix-eureka-client 2.2.3.RELEASE
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/server/reactive/ServletServerHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/web/util/DefaultUriBuilderFactory.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1-jar/org/springframework/http/client/MultipartBodyBuilder.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/server/reactive/ServerHttpRequestDecorator.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/HttpRange.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/codec/protobuf/ProtobufDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/ContextCleanupListener.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/client/reactive/ReactorClientHttpRequest.java
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* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/util/WebUtils.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/util/pattern/PathPattern.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/util/ContentCachingResponseWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/codec/json/Jackson2SmileEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/codec/FormHttpMessageReader.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/codec/DecoderHttpMessageReader.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/web/context/support/HandlerMethodArgumentResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/client/reactive/ReactorClientHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068412474_1594388331.32/0/spring-web-5-2-5-release-sources-1.jar/org/springframework/http/codec/ClientCodecConfigurer.java
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# ============================================
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# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-insetez
# application/applefile
application/applixwareaw
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
# application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
# application/atomsvc+xml
# application/auth-policy+xml
# application/bacnet-xdd+xml
# application/batch-smtp
# application/beep+xml
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# application/moss-keys
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# application/news-checkgroups
# application/news-groupinfo
# application/news-transmission
# application/nlsml+xml
# application/nss
# application/ocsp-request
# application/ocsp-response
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# application/odx
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# application/parityfec
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# application/pgp-keys
application/pgp-signatureasc sig
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# application/pidf+xml
# application/pidf-diff+xml
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 */

/**
 * Return the web session for the current request. Always guaranteed to return an instance either matching to the session id requested by the client, or with a new session id either because the client did not specify one or because the underlying session had expired. Use of this method does not automatically create a session. See {@link WebSession}
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 */

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   (For example, a function in a library to compute square roots has
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<signature of Ty Coon>, 1 April 1990
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1.819 envoy 1.8.1
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```python
eventlog { 
    name = "eventlog", 
    stamped = True, 
}
```

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evoy_cc_binary(
    name = "envoy-static",
    stamped = True,
)

1.820 jline-terminal-jna 3.10.0

1.821 attr 2.4.46 13.el7
1.821.1 Available under license :
This package was debianized by Nathan Scott nathans@debian.org on
Sun, 19 Nov 2000 07:37:09 -0500.

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* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/mongo-java-driver-3-12-4-sources-
  jar/com/mongodb/client/internal/FallbackMongoIterableFactory.java
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  jar/com/mongodb/client/internal/ClientSessionImpl.java
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  jar/com/mongodb/client/internal/Java8FindIterableImpl.java
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  jar/com/mongodb/lang/NonNullApi.java
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  jar/com/mongodb/lang/NonNull.java
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* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources-jar/com/mongodb/operation/MapReduceAsyncBatchCursor.java
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* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources-jar/org/bson/ShellInt64Converter.java
* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources-jar/com/mongodb/internal/connection/Time.java
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jar/org/bson/codecs/pojo/IdPropertyModelHolder.java
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 */

/**
 * Returns an array containing all of the elements in this deque, in
 * proper sequence (from first to last element).
 *
 * <p>The returned array will be "safe" in that no references to it are
 * maintained by this deque. (In other words, this method must allocate
 * a new array). The caller is thus free to modify the returned array.
 *
 * <p>This method acts as bridge between array-based and collection-based
 * APIs.
 *
 * @return an array containing all of the elements in this deque
 */

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* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources-jar/com/mongodb/internal/connection/ConcurrentLinkedDeque.java

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 * https://github.com/marianobarrios/tls-channel
 */

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* /opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources.jar/com/mongodb/annotations/Beta.java

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 * https://github.com/marianobarrios/tls-channel
 */
/**
 * Writes a sequence of bytesProduced to this channel from a subsequence of the
 * given buffers.
 *
 * @param srcs   The buffers from which bytesProduced are to be retrieved
 * @param offset The offset within the buffer array of the first buffer from
 *               which bytesProduced are to be retrieved; must be non-negative and no
 *               larger than <tt>srcs.length</tt>
 * @param length The maximum number of buffers to be accessed; must be
 *               non-negative and no larger than <tt>srcs.length</tt>
 * @return The number of bytesProduced written, contrary to the behavior specified
* in [ @link ByteChannel], this method never returns 0, but throws
* [ @link WouldBlockException]
* @throws IndexOutOfBoundsException If the preconditions on the <tt>offset</tt> and
* <tt>length</tt> parameters do not hold
* @throws WouldBlockException if the channel is in non-blocking mode and the IO operation
* cannot be completed immediately
* @throws NeedsTaskException if the channel is not configured to run tasks automatically
* and a task needs to be executed to complete the operation
* @throws SSLException if the { @link SSLEngine} throws a SSLException
* @throws IOException if the underlying channel throws an IOException
*/
/**
* Reads a sequence of bytesProduced from this channel into a subsequence of the
* given buffers.
* *
* <p>
* See { @link ScatteringByteChannel#read(ByteBuffer[], int, int)} for more
* details of the meaning of this signature.
* *
* <p>
* This method behaves slightly different than the interface specification,
* with respect to non-blocking responses, see { @link read(ByteBuffer)} for
* more details.
* *
* @param dsts   The buffers into which bytesProduced are to be transferred
* @param offset The offset within the buffer array of the first buffer into
* which bytesProduced are to be transferred; must be non-negative and no
* larger than <tt>dsts.length</tt>
* @param length The maximum number of buffers to be accessed; must be
* non-negative and no larger than <tt>dsts.length</tt>
* &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n

Found in path(s):
*/

/opt/ws_local/PERMITS_SQL/1065171190_1593486559.87/0/mongo-java-driver-3-12-4-sources.jar/com/mongodb/internal/connection/tlschannel/TlsChannel.java
1.823 springfox-spring-web 2.9.2

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  jar/springfox/documentation/spring/web/readers/parameter/ParameterMultiplesReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/paths/RelativePathProvider.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/json/Json.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/readers/operation/OperationTagsReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/DocumentationCache.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/plugins/DefaultConfiguration.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/scanners/ApiListingReferenceScanResult.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/paths/QueryStringUriTemplateDecorator.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/readers/operation/CachingOperationNameGenerator.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/ObjectMapperConfigurer.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/scanners/ApiListingScanner.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/parameter/ParameterRequiredReader.java

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/OperationParameterRequestConditionReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/plugins/CombinedRequestHandler.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/OperationParameterHeadersConditionReader.java
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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/parameter/ModelAttributeParameterExpander.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/scanners/ApiDocumentationScanner.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/parameter/ParameterDataTypeReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/scanners/MediaTypeReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/OperationResponseClassReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/plugins/DocumentationPluginsManager.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/ResponseMessagesReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/SpringfoxWebMvcConfiguration.java

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/PropertySourcedMapping.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/plugins/PathAndParametersEquivalence.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/plugins/ResolvedMethodParameterEquivalence.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/plugins/JacksonSerializerConvention.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/PropertySourcedRequestMappingHandlerMapping.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/plugins/DefaultRequestHandlerCombiner.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-
  jar/springfox/documentation/spring/web/scanners/ResourcePathProvider.java

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/parameter/ParameterTypeReader.java

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* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/DefaultOperationReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/scanners/ApiDescriptionLookup.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/scanners/ApiDescriptionReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/readers/operation/OperationDeprecatedReader.java
* /opt/cola/permits/1177939630_1625570717.51/0/springfox-spring-web-2-9-2-sources-3-jar/springfox/documentation/spring/web/plugins/ApiSelectorBuilder.java
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  <div id="navcolumn">
    <h5>Get log4cxx</h5>
    <ul>
      <li class="none">
        <a href="download.html">Download</a>
      </li>
      <li class="none">
        <a href="changes-report.html">Changes</a>
      </li>
      <li class="none">
        <strong>License</strong>
      </li>
    </ul>
    <h5>About log4cxx</h5>
    <ul>
      <li class="none">
        <a href="index.html">What is log4cxx?</a>
      </li>
      <li class="none">
        <a href="apidocs/index.html">API Documentation</a>
      </li>
      <li class="none">
        <a href="faq.html">FAQ</a>
      </li>
    </ul>
    <h5>Community</h5>
    <ul>
      <li class="none">
        Community
      </li>
    </ul>
  </div>
</div>
<li class="none">
    <a href="mail-lists.html">Mailing Lists</a>
</li>

<li class="none">
    <a href="issue-tracking.html">Issue Tracking</a>
</li>

<li class="none">
    <a href="http://wiki.apache.org/logging-log4cxx" class="externalLink">Wiki</a>
</li>

<h5>Development</h5>
<ul>
    <li class="none">
        <a href="source-repository.html">Repository</a>
    </li>
    <li class="expanded">
        <a href="">Building</a>
        <ul>
            <li class="none">
                <a href="building/autotools.html">autotools</a>
            </li>
            <li class="none">
                <a href="building/ant.html">Apache Ant</a>
            </li>
            <li class="none">
                <a href="building/maven.html">Apache Maven 2</a>
            </li>
        </ul>
    </li>
</ul>
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1.826 udev 237

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1.828 qrencode 3.4.1 3.el7

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

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

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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* /opt/ws_local/PERMITS_SQL/1077482473_1596857753.28/0/reactor-extra-3-3-3-release-sources-
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lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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include/GL/g1.h :

Mesa 3-D graphics library

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include/GL/glxext.h
include/GL/wglext.h
include/GL/wglxext.h :
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jopt-simple v5.0.4

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lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
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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
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teardown:
- do:
  license.post:
    acknowledge: true
    body: |
      {"licenses":[]}
---
"Installing and getting license works":

```yaml
---

```current license version```
- do:
  license.post:
    acknowledge: true
    body: |
      {"licenses": [{"uid": "894371dc-94f9-4997-93cb-802e371f64a8", "type": "trial", "issue_date_in_millis": 1419488000000, "expiry_date_in_millis": 1916956799999, "max_nodes": 1, "issued_to": "issueer", "issuer": "issueer", "signature": "AAAAAgAAAA0FWh0T9njItjQ2qamAAAAMc9ZN0hjZDBGYnVyRXpCOW5Bb3FjZDAxOWpSbTvOMVZwUzRxVkJ1PmkmxaZdW5IMhiHThONoIN1N2MVMvRFk4d3JTZEx3R3RZ0pzU3lobWJKzQvSEFvaoqpTHBkWkpzZWSQ9iNmRQNWkI1SpLN0IDaZCS095MXRGNIIIZpYcVVTnFrcTE2dhZjZMzdFQrN3JQeGwxb0U0MXZ0dJDHdERitzTVLOHNzSDByWnpoZEPzhZBEzU7rTVBxRENNSXNsWwJjZlalODd2zVnEzUjNiWktnNWGM5TUQV2plUo4Q1JOUml4MZXuL0pSOehQaVB2azhUk9KqYzhtFeFtoM1Q0RnJXSQ53MWWk2K055c28zSmRnVkJ1bJSQkFLV2UXUmVHNDZ2R3o2VE1q
      bVNQ52lsOHNSbUeZINbWmZvSvZWEtaz9w9TTPzEDv1TNCYklacUYyK2FwR9xaw06dMbMznzG5Qc3FWOThzZ3UCmVqKt2RUZmMFJnZzZtvL2zdbDRWUzh6UG5pdENGWFRerXNKnK9E9PQAAAABZBhvozA0ttrhxUZQbaTsKtTa9U5KvK6ps8Yi1pnmkZXXClAkX1SrgoFn1bXq611Jwrfw5qmnYNH3hRTO9EyaBQbaLk8
      NXZQ6TrIRkQpEnmBwAUKYzKEXsInBoOk4B4mzwC7baMAZkzITEBTBOg+57cSaU9y37Gkdd+1jXCCqXp+jOEUL7gnXWZV6oeroRLcT1fYm090kC8FaKTVrPTSc6i6gZR3uvTHye7e74QX9PRAvvhxA73C4Q0EDQZX/P1hBQIWkBrD5YQ1POYyTVay0rlTnDLmXeCakAdTJLZLhBEPHST7KWjrTS6J1dCRE7ca8Vs/j78HXvOly" ]}

- match: { license_status: "valid" }

- do:
  license.get: {}

```a license object has 11 attributes```
- length: { license: 11 }

```bwc for licenses format```
- do:
  license.post:
    acknowledge: true
    body: |
      {"licenses": [{"uid": "893361dc-9749-4997-93cb-802e371f64a8", "type": "gold", "issue_date_in_millis": 1419488000000, "expiry_date_in_millis": 1914278399999, "max_nodes": 1, "issued_to": "issueer", "issuer": "issueer", "signature": "AAAAAwAAAAxAA2T3vqDBdEtKQaBqgxpAAABmC9ZN0hjZDBGYnVyRXpCOW5Bb3FjZDAxOWpSbTvOMVZwUzRxVkJ1PmkmxaZdW5IMhiHThONoIN1N2MVMvRFk4d3JTZEx3R3RZ0pzU3lobWJKzQvSEFvaoqpTHBkWkpzZWSQ9iNmRQNWkI1SpLN0IDaZCS095MXRGNIIIZpYcVVTnFrcTE2dhZjZMzdFQrN3JQeGwxb0U0MXZ0dJDHdERitzTVLOHNzSDByWnpoZEPzhZBEzU7rTVBxRENNSXNsWwJjZlalODd2zVnEzUjNiWktnNWGM5TUQV2plUo4Q1JOUml4MZXuL0pSOehQaVB2azhUk9KqYzhtFeFtoM1Q0RnJXSQ53MWWk2K055c28zSmRnVkJ1bJSQkFLV2UXUmVHNDZ2R3o2VE1q
      bVNQ52lsOHNSbUeZINbWmZvSvZWEtaz9w9TTPzEDv1TNCYklacUYyK2FwR9xaw06dMbMznzG5Qc3FWOThzZ3UCmVqKt2RUZmMFJnZzZtvL2zdbDRWUzh6UG5pdENGWFRerXNKnK9E9PQAAAABZBhvozA0ttrhxUZQbaTsKtTa9U5KvK6ps8Yi1pnmkZXXClAkX1SrgoFn1bXq611Jwrfw5qmnYNH3hRTO9EyaBQbaLk8
      NXZQ6TrIRkQpEnmBwAUKYzKEXsInBoOk4B4mzwC7baMAZkzITEBTBOg+57cSaU9y37Gkdd+1jXCCqXp+jOEUL7gnXWZV6oeroRLcT1fYm090kC8FaKTVrPTSc6i6gZR3uvTHye7e74QX9PRAvvhxA73C4Q0EDQZX/P1hBQIWkBrD5YQ1POYyTVay0rlTnDLmXeCakAdTJLZLhBEPHST7KWjrTS6J1dCRE7ca8Vs/j78HXvOly" ]}
Should throw 404 after license deletion:

- do:
  license.delete: {}

- catch: missing

"Should install a feature type license":

- do:
  license.get: {}

- do:
  license.get: {}

---

AAAQAADDAA04Q4ky3rFyyWLFKyREAAAABmC9ZN0hjZDBGByvRyRxCOW5BbbF3jZDAXoWpSbTvMOVZwUzRvK1PSnxaxkzDw5M6PlTHN0nN1N2MXMrRfk4d3JTZEx3R3RRZ0pzU3loBWKZknQvSefw4oPpTHbKwzRZWSQ9iNmRQxw1SpLN0lDalZCS059MRXGN1l3ZjIpYcVTThFrcTE2dzhlZm8YkOALO3ny9vbQga+5j7Yh7xMuFrT9xbsC5N0PvMhGzgIPv2wpvdCwimo1+Gk8Vt0lPb1wPwFzfOjOmgP/Cx3WYwdfkeAUS0yWvUYfFIBAe4bnz84If+xxwLkgY6kAHF25ECB7dbU/vhucn9+jEFpolEuCuv9k9C+nNJZ41ckhUx4xRgaRG2x9PONH8ZQGhYJHbGisoCuxDmLlxyVxqPMu3n/t7jdsEJScjAIrSlDLOu6H"

- issue_to: "issuedTo"
- issuer: "issuer"
- subscription_type: "none"
- expiry_date_in_millis: 1914278399999
- max_nodes: 1
- signature: "AAAAAQAAAA0Sc90guRIaQEmgLvMnAAABmC9ZN0hjZDBGByvRyRxCOW5BbbF3jZDAXoWpSbTvMOVZwUzRvK1PSnxaxkzDw5M6PlTHN0nN1N2MXMrRfk4d3JTZEx3R3RRZ0pzU3loBWKZknQvSefw4oPpTHbKwzRZWSQ9iNmRQxw1SpLN0lDalZCS059MRXGN1l3ZjIpYcVTThFrcTE2dzhlZm8YkOALO3ny9vbQga+5j7Yh7xMuFrT9xbsC5N0PvMhGzgIPv2wpvdCwimo1+Gk8Vt0lPb1wPwFzfOjOmgP/Cx3WYwdfkeAUS0yWvUYfFIBAe4bnz84If+xxwLkgY6kAHF25ECB7dbU/vhucn9+jEFpolEuCuv9k9C+nNJZ41ckhUx4xRgaRG2x9PONH8ZQGhYJHbGisoCuxDmLlxyVxqPMu3n/t7jdsEJScjAIrSlDLOu6H"

- issue_date_in_millis: 1443484800000
- feature: "watch her"
- expiry_date_in_millis: 1914278399999

---

"Should install a feature type license":

- do:
  license.get: {}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 11 }

- match: { license.uid: "893361dc-9749-4997-93cb-802edofh7aa" }

---
# VERSION_NO_FEATURE_TYPE license version
- do:
  license.post:
    acknowledge: true
    body: |
      "license": {"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":"issued_to","issuer":"issuer","signature":"AAAAAgAAAA3U8+YmnvwC+CWSv/rnRAABmC9ZNOjzdDBGYnVryRPCOW5Bb3fjZDAxOWpshTVoMVZwUzRxVkiP5m1a5kxZdW51M1h1THN0N1N2MXXMvRfK4d3jTZe3R3RRZ0pzU3lobWJKZnQyS5Fvja0ppTHBkWkprZWZSQ9iNnQnKw1SlpL0NdalZC5095XMXXMG1lZIzpYcVvTTnFrcTE2dzhZmZrdFQn3QeGwxbu0UMXz0dDHJSErZTVL0HNzSDByWnpoZEpHfBEZjUrTVbxRENNSXsNWjZilOadzVmEzUjNiWktNWGM5TUqV2plauo4Q1JOuml4MXNuLoS0EhQuV2azhmU9QvZheFToM1Q0RaJXSG53MWk2K055c28smRnVkl12J5QhFIvL2VXUvmVHNDZ2R3o2VE1q1bVNSQ2IxOHN5bUerZINiWkZSVmZjWItEaSu9wTTJENVTvT1NCYklaUyYk2FwR9xao6ddildMbaMzSGQta3FwOTgzJ3ZUCxXMkvQkt2RUWmFjZnZvLd2zbDRUzh6UG5pdENGFmFzeXNKNQanE9PQAABe8GfsDnmT337lluVjebth3bX5dvg0K5NQapv+rczWcFQxgCuzbF8plkgetP1aAGZp4uresEQDpOICxs4d0UqAm97tgbQ3193p+PogInPfeEh9NvOamaQovmxVM9SE66dDq1Xc4Xos0+6gwpXwP5fT2DmPocQcf16d6BZ8GeuyyPvVHKp9ihVuOyj6zYOE7+zru0t1YoYxEOq66AnfKVhrvni+flym3E7t7DTg5Rz7W3ibiBqMnEqbEkhVdPHQdISR99XGaEvnHO1paK01/35iZF6OXHsF7CCj+558GRXiVxuezOe7TszGSt8sg7YjZwV9bRCyU7oB4B/nidgI"}

  - match: { license_status: "valid" }
- do:
  license.get: { }
  length: { license: 11 }
---

"Cannot start basic":
- do:
  catch: bad_request
  license.post:
    acknowledge: true
    body: |
      "license": {"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8","type":"basic","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1,"issued_to":"issued_to","issuer":"issuer","signature":"AAAAAgAAAA3U8+YmnvwC+CWSv/rnRAABmC9ZNOjzdDBGYnVryRPCOW5Bb3fjZDAxOWpshTVoMVZwUzRxVkiP5m1a5kxZdW51M1h1THN0N1N2MXXMvRfK4d3jTZe3R3RRZ0pzU3lobWJKZnQyS5Fvja0ppTHBkWkprZWZSQ9iNnQnKw1SlpL0NdalZC5095XMXXMG1lZIzpYcVvTTnFrcTE2dzhZmZrdFQn3QeGwxbu0UMXz0dDHJSErZTVL0HNzSDByWnpoZEpHfBEZjUrTVbxRENNSXsNWjZilOadzVmEzUjNiWktNWGM5TUqV2plauo4Q1JOuml4MXNuLoS0EhQuV2azhmU9QvZheFToM1Q0RaJXSG53MWk2K055c28smRnVkl12J5QhFvV2azhmUs3IG6SzolcXVJ6Z4CIXORDrYQ+wdLCeey0XdujTslAOj+k+vNgo6wauce7Usvwi01esHu4lb5IgpvKy75RChhh5bYz2ubu2qMIqopp9BQy7D7VQifVqymG6seUMJwJ1a5Avvm9r41YPScr13bKBk2e16jK6N8ibCvnTyXYkYGCJrBWTJSpDbeg6ErbyodrZ37x1sLbPWcNAkmweyHjDinvYnbeZZ07A3NmubXZJW7Ttf8/YwQyE00PqMc17FVPY3hk
- match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_license/start_basic API to install a basic license that does not expire.' }

"Should fail gracefully when body content is not provided":

- do:
  catch: bad_request
  license.post:
    acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligible to start trial":

- do:
  license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

"Trial license cannot be basic":

- do:
  catch: bad_request
  license.post_start_trial:
    type: "basic"
    acknowledge: true

"Can start basic license if do not already have basic":

- do:
    license.get_basic_status: {}

- match: { eligible_to_start_basic: true }

- do:
    license.post_start_basic:
      acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
    license.get_basic_status: {}

- match: { eligible_to_start_basic: false }

- do:
    catch: forbidden
    license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

---

"Must acknowledge to start basic":
- do:
    license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

"*

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</html>
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<meta content="github" name="octolytics-app-id" />
<meta content="https://collector.githubapp.com/github-external/browser_event" name="octolytics-event-url"/>
<meta content="E0E4:26F16:12A5AE6:1D11801:596C7978" name="octolytics-dimension-request_id"/>
<meta content="sea" name="octolytics-dimension-region_edge"/>
<meta content="iad" name="octolytics-dimension-region_render"/>
<meta content="/&lt;user-name&gt;/&lt;repo-name&gt;/blob/show" data-pjax-transient="true" name="analytics-location"/>
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<meta name="hostname" content="github.com"/>
<meta name="user-login" content=""/>

<meta name="expected-hostname" content="github.com"/>
<meta name="js-proxy-site-detection-payload" content="N2ZhMjk0NTA4Mjl1NmZ'7hYT'V1NzM5NzVjZmFkOWY2NGFkNmMxYzcyMGViNmAzZGQxMGMzZmJhZDQ3YWZiZTI0OHx7/hJlbW90ZV9hZGRyZXNzIjoiMTEwLjIwLjIyMC4xMzUiLCJyZWF0aWVudF9pZCI6IjE1MDAyODEyMDgsI"
content="TBFNDoyNkYxNjoxIQUU2OjFEMTE4MDE6NTk2Qzc5NzgiLCJ0aW1lc3RhbXAiOiE1MDAyODEyMDgsI"/>

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[[java-rest-high-delete-license]]
==== Delete License

[[java-rest-high-delete-license-execution]]
==== Execution

The license can be deleted using the `deleteLicense()` method:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------------------------
include-tagged::[doc-tests]/LicensingDocumentationIT.java[delete-license-execute]
--------------------------------------------------------------------
The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

1. Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

1. The `DeleteLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

1. Called when the execution is successfully completed. The response is provided as an argument
2. Called in case of failure. The raised exception is provided as an argument

Nimbus OAuth 2.0 SDK with OpenID Connect extensions

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# Jackson JSON processor

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

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## Credits
A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

```
[role="xpack"]
[[license-settings]]
```

=== License settings

You can configure this licensing setting in the `elasticsearch.yml` file.
For more information, see `{stack-ov}/license-management.html` [License management].

```
`xpack.license.self_generated.type`::
Set to `basic` (default) to enable basic `{xpack}` features. +
+
--
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--
```  
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  analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
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This API enables you to update your license.

`PUT /_license`

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.
`acknowledge`:
(boolean) Specifies whether you acknowledge the license changes. The default value is `false`.

==== Request Body

`licenses`:
(array) A sequence of one or more JSON documents containing the license information.

==== Authorization

If {es} {security-features} are enabled, you need `manage` cluster privileges to install the license.

If {es} {security-features} are enabled and you are installing a gold or platinum license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

==== Examples

The following example updates to a basic license:

[source,js]
----------------------------------------------
POST /_license
{
  "licenses": [
    {
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
      "type":"basic",
      "issue_date_in_millis":1411948800000,
      "expiry_date_in_millis":1914278399999,
      "max_nodes":1,
      "issued_to": "%issuedTo",
      "issuer": "%issuer",
      "signature": "%xx"
    }
  ]
}
c ----------------------------------------------

// CONSOLE
// TEST[skip:license testing issues]
NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can also install your license file using a `curl` command. Be sure to add `@` before the license file path to instruct curl to treat it as an input file.

[source,shell]
------------------------------------------------------------
curl -XPUT -u <user> 'http://<host>:<port>/_license' -H "Content-Type: application/json" -d @license.json
------------------------------------------------------------

// NOTCONSOLE

On Windows, use the following command:

[source,shell]
------------------------------------------------------------
Invoke-WebRequest -uri http://<host>:<port>/_xpack/license -Credential elastic -Method Put -ContentType "application/json" -InFile .\license.json
------------------------------------------------------------

In these examples,

* `"<user>"` is a user ID with the appropriate authority.
* `"<host>"` is the hostname of the {es} node (`localhost` if executing locally)
* `"<port>"` is the http port (defaults to `9200`)
* `"license.json"` is the license JSON file

NOTE: If your {es} node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

[source,js]
------------------------------------------------------------
{
  "acknowledged": false,
  "license_status": "valid",
  "acknowledge": {
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"
    "watcher": ["Watcher will be disabled"
    ],
    "logstash": ["Logstash will no longer poll for centrally-managed pipelines"
    ]
  }
}
------------------------------------------------------------
"security": [
    "The following X-Pack security functionality will be disabled: ..."]
}
}

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

[source,js]

POST /_license?acknowledge=true
{}
"licenses": [
{
    "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
    "type":"basic",
    "issue_date_in_millis":1411948800000,
    "expiry_date_in_millis":1914278399999,
    "max_nodes":1,
    "issued_to":"issuedTo",
    "issuer":"issuer",
    "signature":"xx"
}
]

// CONSOLE

// TEST[skip:license testing issues]

Alternatively:

[source,sh]

curl -XPUT -u elastic 'http://<host>:<port>/_license?acknowledge=true' -H "Content-Type: application/json" -d @license.json

// NOTCONSOLE

For more information about the features that are disabled when you downgrade your license, see [xpack-ref]/license-expiration.html[License Expiration].

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OSXAdapter

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This API enables you to delete licensing information.

```
DELETE /_license
```

When your license expires, `xpack` operates in a degraded mode. For more information, see `xpack-ref/license-expiration.html`[License Expiration].

You must have `manage` cluster privileges to use this API. For more information, see `xpack-ref/security-privileges.html`[Security Privileges].

The following example queries the info API:
DELETE /_license

// CONSOLE
// TEST[skip:license testing issues]

When the license is successfully deleted, the API returns the following response:

```
{
  "acknowledged": true
}
```

// NOTCONSOLE
this is a test license file
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Includes the Adobe Glyph List

Includes the Zapf Dingbats Glyph List

Includes OSXAdapter
Copyright (C) 2003-2007 Apple, Inc., All Rights Reserved
[role="xpack"]
[testenv="basic"]
[[get-license]]
=== Get license API
++++
<titleabbrev>Get license</titleabbrev>
++++

This API enables you to retrieve licensing information.
### Request

`GET /_license`

### Description

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

### Query Parameters

`local`::

(boolean) Specifies whether to retrieve local information. The default value is `false`, which means the information is retrieved from the master node.

### Authorization

You must have `monitor` cluster privileges to use this API. For more information, see {xpack-ref}/security-privileges.html[Security Privileges].

### Examples

The following example provides information about a trial license:

[source,js]
--------------------------------------------------
GET /_license
--------------------------------------------------

// CONSOLE

[source,js]
--------------------------------------------------
{
  "license" : {
    "status" : "active",
}
"uid" : "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
"type" : "trial",
"issue_date" : "2018-10-20T22:05:12.332Z",
"issue_date_in_millis" : 1540073112332,
"expiry_date" : "2018-11-19T22:05:12.332Z",
"expiry_date_in_millis" : 1542665112332,
"max_nodes" : 1000,
"issued_to" : "test",
"issuer" : "elasticsearch",
"start_date_in_millis" : -1
}
}

// TESTRESPONSE[s/"cbff45e7-c553-41f7-ae4f-9205eabd80xx"/$body.license.uid/]
// TESTRESPONSE[s/"basic"/$body.license.type/]
// TESTRESPONSE[s/"2018-10-20T22:05:12.332Z"/$body.license.issue_date/]
// TESTRESPONSE[s/1540073112332/$body.license.issue_date_in_millis/]
// TESTRESPONSE[s/"2018-11-19T22:05:12.332Z"/$body.license.expiry_date/]
// TESTRESPONSE[s/1542665112332/$body.license.expiry_date_in_millis/]
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***The art of simplicity is a puzzle of complexity.***

## Overview ##

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

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

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

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
* If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
* You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

Apache HttpComponents Core

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[[java-rest-high-get-license]]
=== Get License

[[java-rest-high-get-license-execution]]
==== Execution

The license can be added or updated using the `getLicense()` method:

["source","java",subs="attributes,callouts,macros"]
-----------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
-----------------------------------------------
The returned `GetLicenseResponse` contains the license in the JSON format.

This request can be executed asynchronously:

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

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The license can be added or updated using the `putLicense()` method:

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
--------------------------------------------------
```

1. Set the categories of information to retrieve. The default is to return no information which is useful for checking if {xpack} is installed but not much else.
2. A JSON document containing the license information.

The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

```
["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-response]
--------------------------------------------------
```

1. The status of the license
2. Make sure that the license is valid.
3. Check the acknowledge flag. It should be true if license is acknowledged.
4. Otherwise we can see the acknowledge messages in `acknowledgeHeader()`.
5. and check component-specific messages in `acknowledgeMessages()`.

```
[[]java-rest-high-put-license-async]]
==== Asynchronous Execution
```
This request can be executed asynchronously:

```
[
  "source", "java", subs="attributes,callouts,macros"]
```

--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-async]
--------------------------------------------------

<1> The `PutLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

```
[
  "source", "java", subs="attributes,callouts,macros"]
```

--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[put-license-execute-listener]
--------------------------------------------------

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/util/ClassMapBasedObjectSerializer.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/DBAddress.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/client/gridfs/GridFSUploadStreamImpl.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/BulkWriteException.java
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jar/com/mongodb/DBObjects.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/client/gridfs/GridFSFindIterable.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/client/InsertRequest.java
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* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/UnacknowledgedBulkWriteResult.java
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* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-jar/com/mongodb/Util.java

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* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1.jar/com/mongodb/util/AbstractObjectSerializer.java
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* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-
  jar/com/mongodb/client/internal/package-info.java
* /opt/cola/permits/1136290449_1613729609.27/0/mongodb-driver-3-8-2-sources-1-
  jar/com/mongodb/client/ClientSession.java

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</projectDescription>
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README for release 6b of 27-Mar-1998
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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP
=======================
This file contains the following sections:

OVERVIEW  General description of JPEG and the IJG software.
LEGAL ISSUES  Copyright, lack of warranty, terms of distribution.
REFERENCES  Where to learn more about JPEG.
ARCHIVE LOCATIONS  Where to find newer versions of this software.
RELATED SOFTWARE  Other stuff you should get.
FILE FORMAT WARS  Software *not* to get.
TO DO  Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc  How to configure and install the IJG software.
usage.doc  Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1  Unix-style man pages for programs (same info as usage.doc).
wizard.doc  Advanced usage instructions for JPEG wizards only.
change.log        Version-to-version change highlights.
Programmer and internal documentation:
  libjpeg.doc       How to use the JPEG library in your own programs.
  example.c         Sample code for calling the JPEG library.
  structure.doc     Overview of the JPEG library's internal structure.
  filelist.doc      Road map of IJG files.
  coderules.doc     Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

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

OVERVIEW
========

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

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

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

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

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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

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

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

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

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

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


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212)
Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

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

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

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

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

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

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

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)
Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

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

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

**1.881 activation 1.1.1**

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Version 2, June 1991

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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OVERVIEW General description of JPEG and the IJG software.
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REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
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TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

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

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

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

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

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

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

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to
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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

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

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

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

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


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.
Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

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

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

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

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

ARCHIVE LOCATIONS

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

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

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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

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

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

FILE FORMAT WARS

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to...
The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.885 opensaml-security-api 3.3.0
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org.springframework.core.ReactiveAdapterRegistry$SpringCoreBlockHoundIntegration

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

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

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Oracle

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

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

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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

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

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org.apache.tomcat:tomcat-jasper-el
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 */

Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/cfg/context/TypeConstraintMappingContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/engine/valueextraction/ShortArrayValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/internal/engine/valueextraction/OptionalLongValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/constraints/Currency.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate/validator/constraints/ModCheck.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
dValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/AbstractMaxValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/resolver/package-info.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalTime.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForBigInteger.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForThaiBuddhistDate.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/IntArrayValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintViolationCreationContext.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/IntArrayValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidation/ConstraintViolationCreationContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForLocalDateTime.java

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/ParameterConstraintLocation.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/resourceloading/AggregateResourceBundleLocator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/CompositionType.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/xml/mapping/ValidStaxBuilder.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForYearMonth.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/path/ContainerElementNode.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/resolver/CachingTraversableResolverForSingleValidation.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/messageinterpolation/ValueExtractorHelper.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/resource/ModCheckValidator.java

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jar/org/hibernate/validator/internal/engine/groups/ValidationOrderGenerator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForOffsetDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/descriptor/BeanDescriptorImpl.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/Mod11CheckDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForLong.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForInteger.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/mapping/ConstraintMappingsStaxBuilder.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/ValueExtractorResolver.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/SafeHtmlDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForLocalDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForYearMonth.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/raw/ConstrainedElement.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/AbstractMinValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/descriptor/ParameterDescriptorImpl.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/SimpleELContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/FloatArrayValueExtractor.java

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* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/AssertTrueValidator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/EmailValidator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/NotEmptyValidatorForArraysOfBoolean.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/Number/sign/PositiveOrZeroValidatorForDouble.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/NotEmptyValidatorForCollection.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/Notempty/NotEmptyValidatorForArraysOfBoolean.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/FutureValidatorForMinguoDate.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PESELValidator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/boolean/PositiveOrZeroValidatorForBoolean.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/PositiveOrZeroValidatorForDouble.java
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* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForCollection.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/Notempty/NotEmptyValidatorForArraysOfBoolean.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/NotEmptyValidatorForArraysOfBoolean.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/PL/PESELValidator.java
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* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/number/sign/PositiveOrZeroValidatorForNumber.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/number/number/PositiveOrZeroValidatorForNumber.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/number/sign/NumberValidatorForDouble.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/overview.html
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.0.xsd

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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */

* Script expressions can be written in any scripting or expression language,
* for which a [link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.

* The following listing shows an example using the JavaScript engine which
* comes with the JDK:

* Can be specified on any method or constructor.

* @author Gunnar Morling
*/

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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 */

/*
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
* @return A list with parameter meta data for the given executable.
*/

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* /opt/ws_local/PERMITS_SQL/1070624999_1594725428.09/0/netty-tnative-boringssl-static-2-0-12-final-sources-jar/io/netty/internal/tnnative/Buffer.java
* /opt/ws_local/PERMITS_SQL/1070624999_1594725428.09/0/netty-tnative-boringssl-static-2-0-12-final-sources-jar/io/netty/internal/tnnative/SSL.java
* /opt/ws_local/PERMITS_SQL/1070624999_1594725428.09/0/netty-tnative-boringssl-static-2-0-12-final-sources-jar/io/netty/internal/tnnative/SSLContext.java

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* /opt/ws_local/PERMITS_SQL/1070624999_1594725428.09/0/netty-tcnative-boringssl-static-2-0-12-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java

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* /opt/cola/permits/1135953508_1613640887.59/0/woodstox-core-5-0-3-3-jar/META-INF/maven/com.fasterxml.woodstox/woodstox-core/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1472011116283
Build-Jdk: 1.7.0_79
Built-By: tatu
Bundle-Description: Woodstox is a high-performance XML processor that implements Stax (JSR-173), SAX2 and Stax2 APIs
Bundle-DocURL: https://github.com/FasterXML/woodstox
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Woodstox
Bundle-SymbolicName: com.fasterxml.woodstox.woodstox-core
Bundle-Vendor: FasterXML
Bundle-Version: 5.0.3
Created-By: Apache Maven Bundle Plugin
Export-Package: com.ctc.wstx.api;version="5.0.3",com.ctc.wstx.cfg;version="5.0.3",com.ctc.wstx.compat;version="5.0.3",com.ctc.wstx.dom;version="5.0.3",com.ctc.wstx.dtd;version="5.0.3",com.ctc.wstx.ent;version="5.0.3",com.ctc.wstx.evt;version="5.0.3",com.ctc.wstx.exc;version="5.0.3",com.ctc.wstx.io;version="5.0.3",com.ctc.wstx.msv;version="5.0.3",com.ctc.wstx.osgi;version="5.0.3",com.ctc.wstx.sax;version="5.0.3",com.ctc.wstx.sr;version="5.0.3",com.ctc.wstx.stax;version="5.0.3",com.ctc.wstx.sw;version="5.0.3",com.ctc.wstx.util;version="5.0.3"
Implementation-Build-Date: 2016-08-24 03:58:19+0000
Implementation-Title: Woodstox
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.woodstox
Implementation-Version: 5.0.3
1.907 evictor 1.0.0

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1.908 docker-utils 5.3.1

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1.909 apr 1.5.2

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

------------------------------------------------------------------------

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 */
/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the { @link #Textifier(int)}
 * version.
 * *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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 */
/*
/**
 * Creates a new { @link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 */
* @param owner
* the owner's class name.
* @param access
* the method's access flags (see \{@link Opcodes\}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see \{@link Type\}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of the annotation class.
 */
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/tree/LineNumberNode.java
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jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/optimizer/ConstantPool.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/ByteVector.java
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  jar/org/objectweb/asm/util/Textifiable.java

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/**
* Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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*
* @throws IllegalStateException
*             If a subclass calls this constructor.
*/

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  jar/org/objectweb.asm.xml/SAXClassAdapter.java
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  jar/org/objectweb.asm.xml/ASMContentHandler.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb.asm.xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb.asm.xml/Processor.java
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  jar/org/objectweb.asm.xml/SAXCodeAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
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jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/optimizer/shrink.properties
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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[])<code>JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])</code> version.
 *
 * @param mv
 *            the <code>MethodVisitor</code> to send the resulting inlined
 *            method code to (use <code>null</code> for none).
 * @param access
 *            the method's access flags (see @link Opcodes). This
 *            parameter also indicates if the method is synthetic and/or
 *            deprecated.
 * @param name
 *            the method's name.
 * @param desc
 *            the method's descriptor (see @link Type).
 * @param signature
 *            the method's signature. May be <tt>null</tt>.
 * @param exceptions
 *            the internal names of the method's exception classes (see
 *            @link Type#getInternalName()@link Type#getInternalName()<code>getInternalName()</code>). May be
 *            <tt>null</tt>.
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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*/
/**
 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method’s access flags (see [@link Opcodes]).
 * @param name
 * the method’s name.
 * @param desc
 * the method’s descriptor (see [@link Type]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
1.923 shared-mime-info 1.8 4.el7

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1.925 util-linux 2.23.2 59.el7_6.1

1.926 nghttp2 1.30.0-1ubuntu1

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1.931 cached-property 1.5.1

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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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 */
/**
 * Determines if the { @link #getAuthentication()} has permission to access the target
 * given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read",
 * "write", etc).
 * @return true if permission is granted to the { @link #getAuthentication()}, else
 * false
 */

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/**
* Reviews the <code>Object</code> returned from a secure object invocation, being able to
* modify the <code>Object</code> or throw an [ @link AccessDeniedException ].
*<sp>
* Typically used to ensure the principal is permitted to access the domain object
*/
* instance returned by a service layer bean. Can also be used to mutate the domain object
* instance so the principal is only able to access authorised bean properties or
* `<code>Collection</code>` elements.

* `<p>`
* Special consideration should be given to using an `<code>AfterInvocationManager</code>`
* on bean methods that modify a database. Typically an
* `<code>AfterInvocationManager</code>` is used with read-only methods, such as
* `<code>public DomainObject getById(id)</code>`. If used with methods that modify a
* database, a transaction manager should be used to ensure any
* `<code>AccessDeniedException</code>` will cause a rollback of the changes made by the
* transaction.
* `</p>`

* `@author Ben Alex`

/*

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* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/authority/mapping/Attributes2GrantedAuthoritiesMapper.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/authority/mapping/NullAuthoritiesMapper.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/token/package-info.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/token/DefaultToken.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/expression/package-info.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/expression/SecurityExpressionRoot.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/prepost/PreInvocationAuthorizationAdvice.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/prepost/PreInvocationAttribute.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/prepost/PreAuthorize.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/prepost/PreInvocationAuthorizationAdvice.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/access/prepost/PreInvocationAttribute.java
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* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/userdetails/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/core/session/package-info.java
found in path(s):
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-
jar/org/springframework/security/core/context/ReactiveSecurityContextHolder.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-
jar/org/springframework/security/core/parameters/AnnotationParameterNameDiscoverer.java
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jar/org/springframework/security/core/annotation/AuthenticationPrincipal.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-
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jar/org/springframework/security/core/annotation/AuthenticationPrincipal.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-
jar/org/springframework/security/jackson2/UserDeserializer.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-
jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenDeserializer.java
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jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/encrypt/TextEncryptor.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesCbcBytesEncryptor.java
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* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/password/NoOpPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/ws_local/PERMITS_SQL/1072987865_1595248246.81/0/spring-security-core-5-3-3-release-sources-jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java

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*/
/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be
 * checked. May be null in which case implementations should return false, as the null
 * condition can be checked explicitly in the expression.
 * @param permission a representation of the permission object as supplied by the
 * expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

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 */

/**
 * A token issued by {@link TokenService}.
 *
 * <p>
 * It is important that the keys assigned to tokens are sufficiently randomised and
 * secured that they can serve as identifying a unique user session. Implementations of
 * {@link TokenService} are free to use encryption or encoding strategies of their choice.
 * It is strongly recommended that keys are of sufficient length to balance safety against
 * persistence cost. In relation to persistence cost, it is strongly recommended that
 * returned keys are small enough for encoding in a cookie.
 * </p>
 *
 * @author Ben Alex
 * @since 2.0.1
 */
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 */

/**
 * Base64 encoder which is a reduced version of Robert Harder's public domain
 * implementation (version 2.3.7). See <a
 * href="http://iharder.sourceforge.net/current/java/base64/"http://iharder.sourceforge.net/current/java/base64/</a>
 * for more information.
 *<p>
 * For internal use only.
 *
 * @author Luke Taylor
 * @since 3.0
 * @deprecated Use java.util.Base64
 */

1.941 libpod-readme-perl 0.11-1

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=head1 DESCRIPTION

This module is a subclass of L<Pod::PlainText> which provides additional
POD markup for generating F<README> files.

Why should one bother with this? One can simply use
A problem with doing that is that the default L<pod2text> converter will add text to links, so that "LZ<w>Module>" is translated to "the Module manpage".

Another problem is that the F<README> includes the entirety of the module documentation! Most people browsing the F<README> file do not need all of this information.

Likewise, including installation and requirement information in the module documentation is not necessary either, since the module is already installed.

This module allows authors to mark portions of the POD to be included only in, or to be excluded from the F<README> file. It also allows you to include portions of another file (such as a separate F<ChangeLog>).

See the module documentation for more details.

Special POD markup options are described below:

Delineates a POD section that is only available in README file. If you prefer to include plain text instead, add the C<text> modifier:

```
=head1 README ONLY

This section will only show up in the README file.
```

Delineates a POD section that is only available in README file. If you prefer to include plain text instead, add the C<text> modifier:
This section will only show up in the README file.

Note that placing a colon before the section to indicate that it is
POD (e.g. C<begin :readme>) is not supported in this version.

All POD that follows will not be included in the README, until
a C<continue> command occurs:

Includes a plaintext file named F<filename>, starting with the line
that contains the start C<Regexp> and ending at the line that begins
with the stop C<Regexp>. (The start and stop Regexps are optional: one
or both may be omitted.)

Type may be C<text> or C<pod>. If omitted, C<pod> will be assumed.

Quotes may be used when the filename or marks contains spaces:

One can also using maintain multiple file types (such as including F<TODO>,
or F<COPYING>) by using a modified constructor:

In the above L</Markup> commands replace "readme" with the tag specified
instead (such as "copying"):

As of version 0.03 you can specify multiple sections by separating them
with a comma:

=begin copying, readme

There is also no standard list of type names. Some names might be recognized by other POD processors (such as "testing" or "html"). L<Pod::Readme> will reject the following "known" type names when they are specified in the constructor:

        testing html xhtml xml docbook rtf man nroff dsr rno latex tex code

You can also use a "debug" mode to diagnose any problems, such as mistyped format names:

        $parser = Pod::Readme->new( debug => 1 );

Warnings will be issued for any ignored formatting commands.

=head2 Example

For an example, see the F<Readme.pm> file in this distribution.

=head1 SEE ALSO

See L<perlpod>, L<perlpodspec> and L<podlators>.

=head1 AUTHOR

Originally by Robert Rothenberg <rrwo at cpan.org>

Now maintained by David Precious <davidp@preshweb.co.uk>

=head2 Suggestions, Bug Reporting and Contributing

This module is developed on GitHub at:

http://github.com/bigpresh/Pod-Readme

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Some portions are based on L<Pod::PlainText> 2.02.
=cut

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=pod

=head1 NAME

pod2readme - script to convert POD to README file

=head1 SYNOPSIS

pod2readme lib/Some/Module.pm

=head1 DESCRIPTIONS

Converts POD in the specified file to a README text file. If a second argument is given, it will use that as the output file and assume that is the type of file to export:

pod2readme Module.pm COPYING

If need be, this can be overridden in cases where the output file is not the same as the type, using a third argument:

pod2readme Module.pm Module-Install.HOWTO install

=head1 SEE ALSO

L<Pod::Readme>

=head1 AUTHOR

Robert Rothenberg <rrwo at cpan.org>

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=cut

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* /opt/cola/permits/1176333824_1624689222.6/0/libpod-readme-perl-0-11-orig-1-tar-gz/Pod-Readme-0.11/lib/Pod/Readme.pm
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* /opt/cola/permits/117633824_1624689222.6/0/libpod-readme-perl-0-11-orig-1-tar-gz/Pod-Readme-0.11/META.yml

1.942 antlr 3.4

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Version 2.1, February 1999

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<tr>
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<tr>
<td>Main Mesa code</td>
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Device drivers    src/mesa/drivers/*    MIT, generally

Gallium code    src/gallium/        MIT

Ext headers GL/glext.h    Khronos
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            GL/wglext.h    Khronos
            KHR/khrplatform.h    Khronos

*****************************************************************************
---
include/GL/gl.h :

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include/GL/glxext.h
include/GL/wglext.h :

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```
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You can use git to clone the repository or you can browse the
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code is here:

```
rt/modules/javafx.media/src/main/native/gstreamer/gstreamer-lite/
```  

```
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## 1.948 lz4 1.8.3-1

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1.949 stax-ex 1.7.8

1.950 rtmpdump 2.4+20150115.gita107cef-1+deb8u1

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jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4.1.48-final-sources-2-
jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4.1.48-final-sources-2-
jar/io/netty/handler/codec/EmptyHeaders.java

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jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4.1.48-final-sources-2-
jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4.1.48-final-sources-2-
jar/io/netty/handler/codec/DefaultHeadersImpl.java

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  jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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  /**
  * Utility class for {@link ByteBuf} that encodes and decodes to and from
  * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
  * <p>
  * The encoding and decoding algorithm in this class has been derived from
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 */
/**
 * Enumeration of supported Base64 dialects.
 */
<p>
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jar/io.netty.handler.codec/compression/ByteBufChecksum.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/DateFormatter.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/CodecOutputList.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/compression/CompressionUtil.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/string/LineEncoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/DatagramPacketEncoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io.netty.handler.codec/DatagramPacketDecoder.java
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/**
 * A decoder that splits the received [ @link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * @link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <pre>
 * <b>lengthFieldOffset</b>   = <b>0</b>
 * <b>lengthFieldLength</b>   = <b>2</b>
 * <b>lengthAdjustment</b>    = 0
 * <b>initialBytesToStrip</b> = 0 (= do not strip header)
 * </pre>
 *
 * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +---------+----------------+      +---------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
 * +---------+----------------+      +---------+----------------+
 */

<h3>2 bytes length field at offset 0, strip header</h3>

Because we can get the length of the content by calling
* [ @link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 2 (= the length of the Length field)

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
*
* 2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message

* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* lengthAdjustment. Because the length value in this example message
* is always greater than the body length by 2, we specify -2 for
* compensation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* 3 bytes length field at the end of 5 bytes header, do not strip header

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. Again because the decoder always takes the length of the prepended data into
* account during frame length calculation.

* lengthFieldOffset = 2 (= the length of Header 1)
* lengthFieldLength = 3
* lengthAdjustment = 0
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Length | Header 1 | Actual Content |  
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Length | Header 1 | Actual Content |  
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------+-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------+-------------------+-------------------+  

* AFTER DECODE (17 bytes)  
* +-------------+-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------+-------------------+-------------------+  

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* BEFORE DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+

* AFTER DECODE (17 bytes)  
* +-------------------+-------------------+  
* | Header 1 | Length | Actual Content |  
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |  
* +-------------------+-------------------+
* \(<h3>2 \text{ bytes length field at offset 1 in the middle of 4 bytes header,}
* \quad \text{strip the first header field and the length field, the length field}
* \quad \text{represents the length of the whole message}</h3>\)*

* Let's give another twist to the previous example. The only difference from
* \(\text{the previous example is that the length field represents the length of the}
* \text{whole message instead of the message body, just like the third example.}
* \text{We have to count the length of HDR1 and Length into \(<tt>\text{lengthAdjustment}</tt>\).}
* \text{Please note that we don't need to take the length of HDR2 into account}
* \text{because the length field already includes the whole header length.}
* \text{<pre>}
* \text{\begin{tabular}{l}
* lengthFieldOffset} = 1 \\
* lengthFieldLength} = 2 \\
* \text{\end{tabular}}
* \text{<b>lengthAdjustment</b>} \text{=} \text{<b>-3</b>} \text{ (= the length of HDR1 + LEN, negative)}
* \text{\begin{tabular}{l}
* initialBytesToStrip} \text{=} \text{3}
* \text{\end{tabular}}
* \text{<pre>}
* \text{\textbf{BEFORE DECODE (16 bytes) \quad \text{AFTER DECODE (13 bytes)}}}
* \text{\begin{tabular}{l|l|l|l}
* HDR1 | Length | HDR2 | Actual Content \\
* \hline
* 0xCA | 0x0010 | 0xFE | \text{"HELLO, WORLD"} \\
* \end{tabular}}
* \text{\begin{tabular}{l|l}
* HDR2 | Actual Content \\
* \hline
* 0xFE | \text{"HELLO, WORLD"} \\
* \end{tabular}}
* \text{\textbf{\textless{pre}}}\text{\textbf{\textless{pre}}}
* \text{\textbf{\textless{pre}}}\text{\textbf{\textless{pre}}}
* \text{@see \texttt{LengthFieldPrepender}}
* \text{/}
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jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
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jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-
jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
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* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
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* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-jar/io/netty/handler/codec/serialization/ClassResolvers.java
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* /opt/cola/permits/1177956827_1625584670.38/0/netty-codec-4-1-48-final-sources-2-jar/io/netty/handler/codec/MessageAggregationException.java
1.952 coreutils 8.22 23.el7

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1.956 logstash-filter-prune 3.0.3

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1.957 base-files 10.3+deb10u10

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/* _setjmp is implemented in setjmp.S */
/*
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* /opt/ cola/ permits/ 11849 19917_162832 9154.64/0/client-java-12-0-1-sources- jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesApi.java
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* /opt/ cola/ permits/ 11849 19917_162832 9154.64/0/client-java-12-0-1-sources- jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesTypeAdaptorFactory.java

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```

**1.965 diffutils 3.3 5.el7**

**1.965.1 Available under license:**

```c
/* diff - compare files line by line


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```
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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <preargs.h>
#include <proargname.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
proper_name ("Paul Eggert"), \ 
proper_name ("Mike Haertel"), \ 
proper_name ("David Hayes"), \ 
proper_name ("Richard Stallman"), \ 
proper_name ("Len Tower")

#undef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3

struct regexp_list
{
char *regexps; /* chars representing disjunction of the regexps */
size_t len; /* chars used in 'regexps' */
size_t size; /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
bool multiple_regexps; /* Does 'regexps' represent a disjunction? */
struct re_pattern_buffer *buf;
;
static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories
 recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary).
 On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty
 (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s).
 Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abBeC:d:efFl:nnPqrsStTuU:vwW:x:X:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{
  BINARY_OPTION = CHAR_MAX + 1,
FROM_FILE_OPTION,
HELP_OPTION,
HORIZON_LINES_OPTION,
IGNORE_FILE_NAME_CASE_OPTION,
INHIBIT_HUNK_MERGE_OPTION,
LEFT_COLUMN_OPTION,
LINE_FORMAT_OPTION,
NO_DEREFERENCE_OPTION,
NO_IGNORE_FILE_NAME_CASE_OPTION,
NORMAL_OPTION,
SDIFF_MERGE_ASSIST_OPTION,
STRIP_TRAILING_CR_OPTION,
SUPPRESS_BLANK_EMPTY_OPTION,
SUPPRESS_COMMON_LINES_OPTION,
TABSIZE_OPTION,
TO_FILE_OPTION,

/* These options must be in sequence. */
UNCHANGED_LINE_FORMAT_OPTION,
OLD_LINE_FORMAT_OPTION,
NEW_LINE_FORMAT_OPTION,

/* These options must be in sequence. */
UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
"--unchanged-group-format",
"--old-group-format",
"--new-group-format",
"--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
"--unchanged-line-format",
"--old-line-format",
"--new-line-format"
};

static struct option const longopts[] =
{
{"binary", 0, 0, BINARY_OPTION},
{"brief", 0, 0, 'q'},
Return a string containing the command options with which diff was invoked.
Spaces appear between what were separate ARGV-elements.
There is a space at the beginning but none at the end.
If there were no options, the result is an empty string.

Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT, the length of that vector. */

static char *
option_list (char **optionvec, int count)
{
    int i;
    size_t size = 1;
    char *result;
    char *p;

    for (i = 0; i < count; i++)
        size += 1 + shell_quote_length (optionvec[i]);

    p = result = xmalloc (size);

    for (i = 0; i < count; i++)
    {
        *p++ = ' ';
        p = shell_quote_copy (p, optionvec[i]);
    }

    *p = '\0';
    return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
int
main (int argc, char **argv)
{
  int exit_status = EXIT_SUCCESS;
  int c;
  int i;
  int prev = -1;
  int ocontext = -1;
  bool explicit_context = false;
  size_t width = 0;
  bool show_c_function = false;
  char const *from_file = NULL;
  char const *to_file = NULL;
  uintmax_t numval;
  char *numend;

  /* Do our initializations. */
  exit_failure = EXIT_TROUBLE;
  initialize_main (&argc, &argv);
  set_program_name (argv[0]);
  setlocale (LC_ALL, "");
  bindtextdomain (PACKAGE, LOCALEDIR);
  textdomain (PACKAGE);
  c_stack_action (0);
  function_regexp_list.buf = &function_regexp;
  ignore_regexp_list.buf = &ignore_regexp;
  re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
  excluded = new_exclude ()

  /* Decode the options. */

  while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
  {
    switch (c)
    {
    case 0:
      break;
    case '0':
      case '1':
      case '2':
      case '3':
      case '4':
      case '5':
      case '6':
      case '7':

case '8':
case '9':
    if (! ISDIGIT (prev))
        ocontext = c - '0';
    else if (LIN_MAX / 10 < ocontext
        || ((ocontext = 10 * ocontext + c - '0') < 0))
        ocontext = LIN_MAX;
    break;

case 'a':
    text = true;
    break;

case 'b':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space = IGNORE_SPACE_CHANGE;
    break;

case 'Z':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TRAILING_SPACE;
    break;

case 'B':
    ignore_blank_lines = true;
    break;

case 'C':
case 'U':
    {
        if (optarg)
        {
            numval = strtoumax (optarg, &numend, 10);
            if (*numend)
                try_help ("invalid context length '%s'", optarg);
        }
        if (LIN_MAX < numval)
            numval = LIN_MAX;
    }
    else
        numval = 3;

    specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
    if (context < numval)
        context = numval;
    explicit_context = true;
} 
break;
case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
    specify_style (OUTPUT_IFDEF);
    {
        static char const C_ifdef_group_formats[] =
            "%%=%c#ifndef %s
            %%<#endif /* ! %s */
            %c#ifdef %s
            %%>#endif /* %s */
            %c#ifndef %s
            %%<#else /* %s */
            %%>#endif /* %s */
        ";
        char *b = xmalloc (sizeof C_ifdef_group_formats
                          + 7 * strlen (optarg) - 14 /* 7*"%s" */
                          - 8 /* 5""%s"" + 3""%c" */);
        sprintf (b, C_ifdef_group_formats,
                 optarg, optarg, optarg, optarg);
        for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
            specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
    }
    break;

case 'e':
    specify_style (OUTPUT_ED);
    break;

case 'E':
    if (ignore_white_space < IGNORE_SPACECHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'f':
    specify_style (OUTPUT_FORWARD_ED);
    break;

case 'F':
    add_regexp (&function_regexp_list, optarg);
    break;
case 'h':
/* Split the files into chunks for faster processing.
   Usually does not change the result.

   This currently has no effect. */
break;

case 'H':
speed_large_files = true;
break;

case 'i':
ignore_case = true;
break;

case 'I':
add_regexp (&ignore_regexp_list, optarg);
break;

case 'l':
if (!pr_program[0])
    try_help ("pagination not supported on this host", NULL);
paginate = true;
#ifdef SIGCHLD
/* Pagination requires forking and waiting, and
   System V fork+wait does not work if SIGCHLD is ignored. */
signal (SIGCHLD, SIG_DFL);
#endif
break;

case 'L':
if (!file_label[0])
    file_label[0] = optarg;
else if (!file_label[1])
    file_label[1] = optarg;
else
    fatal ("too many file label options");
break;

case 'n':
specify_style (OUTPUT_RCS);
break;

case 'N':
new_file = true;
break;
case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]$_]"(KeyEventCharacter));
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
        AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;
case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
        exclude_options (), 'n'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width '%s'", optarg);
    if (width != numval)
    {
        if (width)
            fatal ("conflicting width options");
        width = numval;
    }
    break;

case BINARY_OPTION:
    #if O_BINARY
        binary = true;
    if (! isatty (STDOUT_FILENO))
        set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ();
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (*numend)
        try_help ("invalid horizon length '%s'", optarg);
horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
       compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
break;

case SUPPRESS_COMMON_LINES_OPTION:
suppress_common_lines = true;
break;

case TABSIZE_OPTION:
umval = strtoumax (optarg, &numend, 10);
if (! (0 < numval && numval <= SIZE_MAX) || *numend)
    try_help ("invalid tabsize "/*s", optarg);
if (tabsize != numval)
{
    if (tabsize)
        fatal ("conflicting tabsize options");
    tabsize = numval;
}
break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
case OLD_LINE_FORMAT_OPTION:
case NEW_LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
c -= UNCHANGED_LINE_FORMAT_OPTION;
    specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
case OLD_GROUP_FORMAT_OPTION:
case NEW_GROUP_FORMAT_OPTION:
case CHANGED_GROUP_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
c -= UNCHANGED_GROUP_FORMAT_OPTION;
    specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
}
    prev = c;
}

if (output_style == OUTPUT_UNSPECIFIED)
{
    if (show_c_function)
    {
        specify_style (OUTPUT_CONTEXT);
        if (ocontext < 0)
context = 3;
} else
specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
#if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \ 
     || defined HAVE_STRUCT_STAT_ST_SPARE1)
time_format = "%Y-%m-%d %H:%M:%S.%N %z";
#else
time_format = "%Y-%m-%d %H:%M:%S %z";
#endif
} else
{
    /* See POSIX 1003.1-2001 for this format. */
time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
    && (output_style == OUTPUT_CONTEXT
        || output_style == OUTPUT_UNIFIED)
    && (context < ocontext
        || (ocontext < context && ! explicit_context))
    context = ocontext;

if (! tabsize)
tabsize = 8;
if (! width)
width = 130;

/* Maximize first the half line width, and then the gutter width,
   according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
   a half line plus a gutter is an integral number of tabs,
   so that tabs in the right column line up. */
intmax_t t = expand_tabs ? 1 : tabsize;
intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),

//
```c
sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
    horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
    if (!line_format[i])
        line_format[i] = "%%\n";
    if (!group_format[OLD])
        group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
    if (!group_format[NEW])
        group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
    if (!group_format[UNCHANGED])
        group_format[UNCHANGED] = "%=";
    if (!group_format[CHANGED])
        group_format[CHANGED] = concat (group_format[OLD], group_format[NEW], "") ;
}

no_diff_means_no_output =
    (output_style == OUTPUT_IFDEF ?
    (!*group_format[UNCHANGED]
     || (STREQ (group_format[UNCHANGED], "%=")
     && !*line_format[UNCHANGED]))
     : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
    (brief & binary
    && ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
    | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
        fatal ("--from-file and --to-file both specified");
    else
```
for (; optind < argc; optind++)
{
    int status = compare_files(NULL, from_file, argv[optind]);
    if (exit_status < status)
        exit_status = status;
}
}
else
{
    if (to_file)
        for (; optind < argc; optind++)
        {
            int status = compare_files(NULL, argv[optind], to_file);
            if (exit_status < status)
                exit_status = status;
        }
    else
    {
        if (argc - optind != 2)
            if (argc - optind < 2)
                try_help("missing operand after \"%s\", argv[argc - 1]);
            else
                try_help("extra operand \"%s\", argv[optind + 2]);
    }
    exit_status = compare_files(NULL, argv[optind], argv[optind + 1]);
}

/* Print any messages that were saved up for last. */
print_message_queue();

check_stdout();
exit(exit_status);
return exit_status;
}

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen(pattern);
    char const *m = re_compile_pattern(pattern, patlen, reglist->buf);

    if (m != 0)
        error(0, 0, "%s: %s", pattern, m);
else
{
    char *regexps = reglist->regexps;
    size_t len = reglist->len;
    bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
    size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
    size_t size = reglist->size;

    if (size <= newlen)
    {
        if (!size)
            size = 1;

        do size *= 2;
        while (size <= newlen);

        reglist->size = size;
        reglist->regexps = regexps = xrealloc (regexps, size);
    }  
    if (multiple_regexps)
    {
        regexps[len++] = '\';
        regexps[len++] = '|';
    }

    memcpy (regexps + len, pattern, patlen + 1);
}
}

/* Ensure that REGLIST represents the disjunction of its regexps. 
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified. Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
        {
            /* Compile the disjunction of the regexps. 
               (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len,
                reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
        }
    }
}
}
static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
program_name);
abort ();
}
static void
check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}
static char const * const option_help_msgid[] = {
N_(" --normal
output a normal diff (the default)"),
N_("-q, --brief
report only when files differ"),
N_("-s, --report-identical-files report when two files are the same"),
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed
output an ed script"),
N_("-n, --rcs
output an RCS format diff"),
N_("-y, --side-by-side
output in two columns"),
N_("-W, --width=NUM
output at most NUM (default 130) print columns"),
N_(" --left-column
output only the left column of common lines"),
N_(" --suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function
show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),
N_(" --label LABEL
use LABEL instead of file name\n"
"
(can be repeated)"),
"",
N_("-t, --expand-tabs
expand tabs to spaces in output"),
N_("-T, --initial-tab
make tabs line up by prepending a tab"),
N_(" --tabsize=NUM
tab stops every NUM (default 8) print columns"),
N_(" --suppress-blank-empty suppress space or tab before empty output lines"),
N_("-l, --paginate
pass output through 'pr' to paginate it"),
"",
N_("-r, --recursive
recursively compare any subdirectories found"),
N_(" --no-dereference
don't follow symbolic links"),
N_("-N, --new-file
treat absent files as empty"),

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N_(" --unidirectional-new-file treat absent first files as empty"),
N_(" --ignore-file-name-case ignore case when comparing file names"),
N_(" --no-ignore-file-name-case consider case when comparing file names"),
N_("-x, --exclude=PAT exclude files that match PAT"),
N_("-X, --exclude-from=FILE exclude files that match any pattern in FILE"),
N_("-S, --starting-file=FILE start with FILE when comparing directories"),
N_(" --from-file=FILE1 compare FILE1 to all operands\n"
   " FILE1 can be a directory"),
N_(" --to-file=FILE2 compare all operands to FILE2\n"
   " FILE2 can be a directory"),

N_("-i, --ignore-case ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space ignore white space at line end"),
N_("-b, --ignore-space-change ignore changes in the amount of white space"),
N_("-w, --ignore-all-space ignore all white space"),
N_("-B, --ignore-blank-lines ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),

N_("-a, --text treat all files as text"),
N_(" --strip-trailing-cr strip trailing carriage return on input"),
#if O_BINARY
N_(" --binary read and write data in binary mode"),
#endif

N_("-D, --ifdef=NAME output merged file with '#ifdef NAME' diffs"),
N_(" --GTYPEn-group-format=GFMT format GTYPE input groups with GFMT"),
N_(" --line-format=LFMT format all input lines with LFMT"),
N_(" --LTYPERn-line-format=LFMT format LTYPE input lines with LFMT"),
N_(" These format options provide fine-grained control over the output\n"
   " of diff, generalizing -D/--ifdef."),
N_(" LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_(" GFMT (only) may contain:\n"
   " < lines from FILE1\n"
   " > lines from FILE2\n"
   " = lines common to FILE1 and FILE2\n"
   " [%-][WIDTH][.]PREC]n printf-style spec for LETTERn\n"
   " LETTERs are as follows for new group, lower case for old group:\n"
   " F first line number\n"
   " L last line number\n"
   " N number of lines = L-F+1\n"
   " E F-1\n"
   " M L+1\n"
   " (%(A=B?T:E) if A equals B then T else E"),
N_(" LFMT (only) may contain:\n"
   " %L contents of line\n"
   " %1 contents of line, excluding any trailing newline\n"
   " [%-][WIDTH][.]PREC]n printf-style spec for input line number"),
N_(" Both GFMT and LFMT may contain:

% c 'C' the single character C
% c '\OOO' the character with octal code OOO
C the character C (other characters represent themselves)")

N_(" -d, --minimal try hard to find a smaller set of changes"),
N_(" --horizon-lines=NUM keep NUM lines of the common prefix and suffix"),
N_(" --speed-large-files assume large files and many scattered small changes"),
N_(" --help display this help and exit"),
N_("-v, --version output version information and exit"),
N_("FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'."),
N_("If --from-file or --to-file is given, there are no restrictions on FILE(s)."),
N_("If a FILE is '-', read standard input.")
N_("Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.")
0
}

static void
usage (void)
{
    char const * const *p;

    printf (_("Usage: %s [OPTION]... FILES
"), program_name);
    printf (_("Compare FILES line by line.
"));
    fputs (_("\nMandatory arguments to long options are mandatory for short options too.\n"), stdout);

    for (p = option_help_msgid;  *p;  p++)
    {
        if (!**p)
        putchar ('\n');
        else
        {
            char const *msg = _(*p);
            char const *nl;
            while ((nl = strchr (msg, '\n')))
            {
                int msglen = nl + 1 - msg;
                printf (_(" %s
", msglen, msg);
                msg = nl + 1;
            }
            printf (_(" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
        }
    }
emit_bug_reporting_address();

/* Set VAR to VALUE, reporting an OPTION error if this is a conflict. */
static void specify_value (char const **var, char const *value, char const *option)
{
  if (*var && ! STREQ (*var, value))
  {
    error (0, 0, _("conflicting %s option value ""%s""""), option, value);
    try_help (NULL, NULL);
  }
  *var = value;
}

/* Set the output style to STYLE, diagnosing conflicts. */
static void specify_style (enum output_style style)
{
  if (output_style != style)
  {
    if (output_style != OUTPUT_UNSPECIFIED)
        try_help ("conflicting output style options", NULL);
    output_style = style;
  }
}

/* Set the last-modified time of *ST to be the current time. */
static void set_mtime_to_now (struct stat *st)
{
  #ifdef STAT_TIMESPEC
  gettime (&STAT_TIMESPEC (st, st_mtim));
  #else
  struct timespec t;
  gettime (&t);
  st->st_mtime = t.tv_sec;
  #if defined STAT_TIMESPEC_NS
  STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
  #elif defined HAVE_STRUCT_STAT_ST_SPARE1
  st->st_spare1 = t.tv_nsec / 1000;
  #endif
  #endif
}
/* Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
    char const *name0,
    char const *name1)
{
    struct comparison cmp;
    #define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
    register int f;
    int status = EXIT_SUCCESS;
    bool same_files;
    char *free0;
    char *free1;

    /* If this is directory comparison, perhaps we have a file
    that exists only in one of the directories.
    If so, just print a message to that effect. */

    if (! ((name0 && name1)
        || (unidirectional_new_file && name1)
        || new_file))
    {
        char const *name = name0 ? name0 : name1;
        char const *dir = parent->file[!name0].name;

        /* See POSIX 1003.1-2001 for this format. */
        message ("Only in %s: %s\n", dir, name);

        /* Return EXIT_FAILURE so that diff_dirs will return
        EXIT_FAILURE ("some files differ"). */
        return EXIT_FAILURE;
    }

    memset (cmp.file, 0, sizeof cmp.file);
    cmp.parent = parent;

    /* cmp.file[f].desc markers */
    #define NONEXISTENT (-1) /* nonexistent file */
    #define UNOPENED (-2) /* unopened file (e.g. directory */
    #define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;

if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0 = file_name_concat (parent->file[0].name, name0, NULL);
    cmp.file[1].name = free1 = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
        {
            cmp.file[f].desc = cmp.file[0].desc;
            cmp.file[f].stat = cmp.file[0].stat;
        }
        else if (STREQ (cmp.file[f].name, "."))
        {
            cmp.file[f].desc = STDIN_FILENO;
            if (binary && ! isatty (STDIN_FILENO))
                set_binary_mode (STDIN_FILENO, O_BINARY);
            if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
        }
    }
}
if (S_ISREG (cmp.file[f].stat.st_mode))
{
    off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
    if (pos < 0)
        cmp.file[f].desc = ERRNO_ENCODE (errno);
    else
        cmp.file[f].stat.st_size =
            MAX (0, cmp.file[f].stat.st_size - pos);
}

/* POSIX 1003.1-2001 requires current time for stdin. */
set_mtime_to_now (&cmp.file[f].stat);
}
else if ((no_dereference_symlinks
    ? lstat (cmp.file[f].name, &cmp.file[f].stat)
    : stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
    inaccessible empty regular files (the kind of files that 'patch'
    creates to indicate nonexistent backups), or if they are
    top-level files that do not exist but their counterparts do
    exist. */
for (f = 0; f < 2; f++)
    if ((new_file || (f == 0 && unidirectional_new_file))
        && (cmp.file[f].desc == UNOPENED
            ? (S_ISREG (cmp.file[f].stat.st_mode)
                && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
                && cmp.file[f].stat.st_size == 0)
            : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
                || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
                && ! parent
                && (cmp.file[1 - f].desc == UNOPENED
                || cmp.file[1 - f].desc == STDIN_FILENO))
            )
        )
        .desc = NONEXISTENT;
for (f = 0; f < 2; f++)
    if (cmp.file[f].desc == NONEXISTENT)
        {
            memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
            cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
        }
for (f = 0; f < 2; f++)
{
    int e = ERRNO_DECODE (cmp.file[f].desc);
    if (0 <= e)
    {
        errno = e;
        perror_with_name (cmp.file[f].name);
        status = EXIT_TROUBLE;
    }
}

if (status == EXIT_SUCCESS && ! parent && DIR_P (0) != DIR_P (1))
{
    /* If one is a directory, and it was specified in the command line,
    use the file in that dir with the other file's basename. */

    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0 =
        find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "-"))
        fatal ("cannot compare '-' to a directory");

    if ((no_dereference_symlinks
        ? lstat (filename, &cmp.file[dir_arg].stat)
        : stat (filename, &cmp.file[dir_arg].stat))
        != 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
    && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
    = (cmp.file[0].desc != NONEXISTENT
        && cmp.file[1].desc != NONEXISTENT
...
&& 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
&& same_file_attributes (&cmp.file[0].stat,
&cmp.file[1].stat)))
&& no_diff_means_no_output)
{
    /* The two named files are actually the same physical file. We
    know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
    if (output_style == OUTPUTIFDEF)
        fatal ("-D option not supported with directories");

    /* If both are directories, compare the files in them. */

    if (parent && !recursive)
    {
        /* But don't compare dir contents one level down unless -r was specified. See
         * POSIX 1003.1-2001 for this format. */
        message ("Common subdirectories: %s and %s
", cmp.file[0].name, cmp.file[1].name);
    }
    else
        status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
    || (parent
        && !((S_ISREG (cmp.file[0].stat.st_mode)
            || S_ISLNK  (cmp.file[0].stat.st_mode))
        && (S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK  (cmp.file[1].stat.st_mode))))
    )
    {
        if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
            status = diff_dirs (&cmp, compare_files);
        else
            status = diff_dirs (&cmp, compare_files);

        char const *dir;

        /* PARENT must be non-NULL here. */
assert (parent);
dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

/* See POSIX 1003.1-2001 for this format. */
message("Only in %s: %s\n", dir, name0);

status = EXIT_FAILURE;
}
}
else
{
/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5("File %s is a %s while file %s is a %s\n",
file_label[0] ? file_label[0] : cmp.file[0].name,
file_type(&cmp.file[0].stat),
file_type(&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
else if (S_ISLNK(cmp.file[0].stat.st_mode)
|| S_ISLNK(cmp.file[1].stat.st_mode))
{
/* We get here only if we use lstat(), not stat(). */
assert (no_dereference_symlinks);

if (S_ISLNK(cmp.file[0].stat.st_mode)
&& S_ISLNK(cmp.file[1].stat.st_mode))
{
/* Compare the values of the symbolic links. */
char *link_value[2] = { NULL, NULL };

for (f = 0; f < 2; f++)
{
    link_value[f] = xreadlink(cmp.file[f].name);
    if (link_value[f] == NULL)
    {
        perror_with_name(cmp.file[f].name);
        status = EXIT_TROUBLE;
        break;
    }
}
if (status == EXIT_SUCCESS)
{


if (! STREQ (link_value[0], link_value[1]))
{
    message ("Symbolic links %s and %s differ\n", 
            cmp.file[0].name, cmp.file[1].name);
    /* This is a difference. */
    status = EXIT_FAILURE;
}
}
for (f = 0; f < 2; f++)
    free (link_value[f]);
else
/* We have two files that are not to be compared, because
one of them is a symbolic link and the other one is not. */
message5 ("File %s is a %s while file %s is a %s\n", 
         file_label[0] ? file_label[0] : cmp.file[0].name, 
         file_type (&cmp.file[0].stat), 
         file_type (&cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
    && S_ISREG (cmp.file[0].stat.st_mode)
    && S_ISREG (cmp.file[1].stat.st_mode)
    && cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
    message ("Files %s and %s differ\n", 
             file_label[0] ? file_label[0] : cmp.file[0].name, 
    status = EXIT_FAILURE;
}
else
/* Both exist and neither is a directory. */
/* Open the files and record their descriptors. */

    int oflags = O_RDONLY | (binary ? O_BINARY : 0);

    if (cmp.file[0].desc == UNOPENED)
        if (cmp.file[0].desc = open cmp.file[0].name, oflags, 0) < 0)
        {
            perror_with_name cmp.file[0].name);
status = EXIT_TROUBLE;
}
if (cmp.file[1].desc == UNOPENED)
{
if (same_files)
    cmp.file[1].desc = cmp.file[0].desc;
else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
    {
        perror_with_name (cmp.file[1].name);
        status = EXIT_TROUBLE;
    }
}

/* Compare the files, if no error was found. */

if (status == EXIT_SUCCESS) {
    status = diff_2_files (&cmp);
}

/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0) {
    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc &&
    close (cmp.file[1].desc) != 0) {
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it, and
   STATUS is the value this function will return. */

if (status == EXIT_SUCCESS) {
    if (report_identical_files && !DIR_P (0))
        message ("Files %s and %s are identical
", file_label[0] ? file_label[0] : cmp.file[0].name,
}
else {
    /* Flush stdout so that the user sees differences immediately. This
can hurt performance, unfortunately. */
    if (fflush (stdout) != 0)
pfatal_with_name ("standard output");
}

free (free0);
free (free1);

return status;
}

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Version 3, 29 June 2007

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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/security/servlet/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/error/ErrorWebExceptionHandler.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/jta/atomikos/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/context/properties/source/PropertyMapper.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/logging/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/server/WebServer.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/CommandLineRunner.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/context/event/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/diagnostics/FailureAnalysis.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/context/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/context/support/ErrorPageFilterConfiguration.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/context/support/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/embedded/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/embedded/undertow/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/context/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/error/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/handler/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/undertow/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/undertow/UndertowBuilderCustomizer.java

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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/ApplicationArguments.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/jdbc/DataSourceInitializationMode.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/origin/OriginProvider.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/ansi/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/jta/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/system/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/jdbc/DataSourceInitializationMode.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/diagnostics/FailureAnalyzer.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/origin/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/ansi/AnsiBackground.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/jackson/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/servlet/ServletContextInitializer.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/reactive/result/view/MustacheViewResolver.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/embedded/tomcat/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/server/SslStoreProvider.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/context/annotation/UserConfigurations.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/servlet/ServletContextInitializer.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/context/event/ApplicationStartingEvent.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/embedded/undertow/UndertowDeploymentInfoCustomizer.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-jar/org/springframework/boot/web/server/ErrorPageRegistrar.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/logging/package-info.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/logging/LogLevel.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/ExitCodeEvent.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/embedded/undertow/package-info.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/server/PortInUseException.java
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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/annotation/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/bind/validation/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/orm/jpa/hibernate/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/jdbc/metadata/DataSourcePoolMetadata.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/orm/jpa/hibernate/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/jdbc/metadata/DataSourcePoolMetadataProvider.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/embedded/tomcat/LazySessionIdGenerator.java
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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/orm/jpa/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/liquitbase/package-info.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/event/ApplicationPreparedEvent.java
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 */
/**
 * A {@link WebApplicationContext} that can be used to bootstrap itself from a contained
 * {@link ServletWebServerFactory} bean.
 *
 * This context will create, initialize and run an {@link WebServer} by searching for a
 * single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
 * itself. The {@link ServletWebServerFactory} is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).

 * In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
 * '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
 * name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
 * always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').

 * For more advanced configuration, the context can instead define beans that implement
 * the {@link ServletContextInitializer} interface (most often

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* { @link ServletRegistrationBean}s and/or { @link FilterRegistrationBean}s). To prevent
* double registration, the use of { @link ServletContextInitializer} beans will disable
* automatic Servlet and Filter bean registration.
* `<p>
* Although this context can be used directly, most developers should consider using the
* { @link AnnotationConfigServletWebServerApplicationContext} or
* { @link XmlServletWebServerApplicationContext} variants.
* *
* @author Phillip Webb
* @author Dave Syer
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/webservices/client/WebServiceTemplateBuilder.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/origin/OriginTrackedValue.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/context/ApplicationPidFileWriter.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/web/embedded/undertow/FileSessionPersistence.java
* /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2-
jar/org/springframework/boot/logging/logback/DebugLogbackConfigurator.java
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- jar/org/springframework/boot/web/embedded/tomcat/TomcatEmbeddedContext.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/ClearCachesApplicationListener.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/diagnostics/analyzer/BeanCurrentlyInCreationFailureAnalyzer.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/diagnostics/analyzer/BindFailureAnalyzer.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/validation/MessageInterpolatorFactory.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/bind/AggregateElementBinder.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/bind/validation/BindValidationException.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/bind/IndexedElementsBinder.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/reactive/error/DefaultErrorAttributes.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/source/ConfigurationProperty.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/context/properties/bind/handler/IgnoreErrorsBindHandler.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/logging/log4j2/WhitespaceThrowablePatternConverter.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/web/embedded/tomcat/TomcatEmbeddedWebappClassLoader.java
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- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/jdbc/metadata/CompositeDataSourcePoolMetadataProvider.java
- /opt/cola/permits/1136220897_1613710183.26/0/spring-boot-2-1-6-release-sources-2.jar/org/springframework/boot/logging/log4j2/ExtendedWhitespaceThrowablePatternConverter.java
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* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/misc/JTreeStringTemplateModel.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/misc/JTreeStringTemplatePanel.java
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    jar/org/antlr/stringtemplate/misc/StringTemplateTreeView.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/GroupLexer.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/AngleBracketTemplateLexer.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/GroupParserTokenTypes.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/GroupParser.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/ActionEvaluatorTokenTypes.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/ActionLexer.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/DefaultTemplateLexer.java
  * /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
    jar/org/antlr/stringtemplate/language/InterfaceParser.java
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import org.antlr.stringtemplate.*;

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* /opt/cola/permits/1136477616_1613772696.75/o/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/InterfaceLexer.java
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* /opt/cola/permits/1136477616_1613772696.75/o/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/AngleBracketTemplateLexerTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/o/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/TemplateParserTokenTypes.java
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import java.io.*;

/** A parser used to break up a single template into chunks, text literals
 * and attribute expressions.
 */
class TemplateParser extends Parser{

    protected StringTemplate self;

    public void reportError(RecognitionException e) {
        StringTemplateGroup group = self.getGroup();
        if ( group==StringTemplate.defaultGroup ) {
            self.error("template parse error; template context is "+self.getEnclosingInstanceStackString(), e);
        } else {
            self.error("template parse error in group "+self.getGroup().getName()+" line "+self.getGroupFileLine()+"; template context is "+self.getEnclosingInstanceStackString(), e);
        }
    }

    template[StringTemplate self]
    {
        this.self = self;
    }
    | ( s:LITERAL {self.addChunk(new StringRef(self,s.getText()));}
    | nl:NEWLINE
    | { if ( LA(1)!=ELSE && LA(1)!=ENDIF ) {
        self.addChunk(new NewlineRef(self,nl.getText()));
    } } |
    | action[self]
    |
    |* |

    action[StringTemplate self]
    : a:ACTION
    | String indent = ((ChunkToken)a).getIndentation();
    ASTExpr c = self.parseAction(a.getText());
    c.setIndentation(indent);
    self.addChunk(c);
    |
    | i:IF
{ 
    ConditionalExpr c = (ConditionalExpr)self.parseAction(i.getText());
    // create and precompile the subtemplate
    StringTemplate subtemplate =
        new StringTemplate(self.getGroup(), null);
    subtemplate.setEnclosingInstance(self);
    subtemplate.setName(i.getText()+"_subtemplate");
    self.addChunk(c);
}

    template[subtemplate] {if ( c!=null ) c.setSubtemplate(subtemplate);}

    ( ei:ELSEIF
        { 
            ASTExpr ec = self.parseAction(ei.getText());
            // create and precompile the subtemplate
            StringTemplate elseIfSubtemplate =
                new StringTemplate(self.getGroup(), null);
            elseIfSubtemplate.setEnclosingInstance(self);
            elseIfSubtemplate.setName(ei.getText()+"_subtemplate");
        }
    )
    template[elseIfSubtemplate]
    {if ( c!=null ) c.addElseIfSubtemplate(ec, elseIfSubtemplate);}
)

    ( ELSE
        { 
            // create and precompile the subtemplate
            StringTemplate elseSubtemplate =
                new StringTemplate(self.getGroup(), null);
            elseSubtemplate.setEnclosingInstance(self);
            elseSubtemplate.setName("else_subtemplate");
        }
    )
    template[elseSubtemplate]
    {if ( c!=null ) c.setElseSubtemplate(elseSubtemplate);}
)

ENDIF |

|rr:REGION_REF |

    { 
        // define implicit template and
        // convert <@r()> to <region__enclosingTemplate__r()>
        String regionName = rr.getText();
        String mangledRef = null;
        
    }
boolean err = false;
// watch out for <@super.r()>; that does NOT def implicit region
// convert to <super.region__enclosingTemplate__r()>
if ( regionName.startsWith("super." ) ) {
//System.out.println("super region ref "+regionName);
String regionRef =
regionName.substring("super.").length(),regionName.length());
StringTemplate scopeST =
self.getGroup().lookupTemplate(templateScope);
if ( scopeST==null ) {
self.getGroup().error("reference to region within undefined template: "+
templateScope);
err=true;
}
else {
else {
//System.out.println("region ref "+regionName);
StringTemplate regionST =
self.getGroup().defineImplicitRegionTemplate(self,regionName);
mangledRef = regionST.getName();
}
if ( !err ) {
// treat as regular action: mangled template include
String indent = ((ChunkToken)rr).getIndentation();
ASTExpr c = self.parseAction(mangledRef+"()" );
c.setIndentation(indent);
self.addChunk(c);
}
else {
//System.out.println("region ref "+regionName);
StringTemplate regionST =
self.getGroup().defineImplicitRegionTemplate(self,regionName);
mangledRef = regionST.getName();
}
if ( !err ) {
// treat as regular action: mangled template include
String indent = ((ChunkToken)rr).getIndentation();
ASTExpr c = self.parseAction(mangledRef+"()" );
c.setIndentation(indent);
self.addChunk(c);
}
else {
//System.out.println("region ref "+regionName);
StringTemplate regionST =
self.getGroup().defineImplicitRegionTemplate(self,regionName);
mangledRef = regionST.getName();
}
if ( !err ) {
// treat as regular action: mangled template include
String indent = ((ChunkToken)rr).getIndentation();
ASTExpr c = self.parseAction(mangledRef+"()" );
c.setIndentation(indent);
self.addChunk(c);
}
else {
//System.out.println("region ref "+regionName);
StringTemplate regionST =
self.getGroup().defineImplicitRegionTemplate(self,regionName);
mangledRef = regionST.getName();
}
String template = 
combinedNameTemplateStr.substring(indexOfDefSymbol+3, 
combinedNameTemplateStr.length());
StringTemplate regionST =
    self.getGroup().defineRegionTemplate(self, 
regionName, 
template, 
StringTemplate.REGION_EMBEDDED);
// treat as regular action: mangled template include
String indent = ((ChunkToken)rd).getIndentation();
ASTExpr c = self.parseAction(regionST.getName()+'()');
c.setIndentation(indent);
self.addChunk(c);
}
else {
self.error("embedded region definition screwed up");
}
}

/** Break up an input text stream into chunks of either plain text 
* or template actions in "$...$". Treat IF and ENDIF tokens 
* specially. 
*/
class DefaultTemplateLexer extends Lexer;

options {
    k=7; // see "$endif$"
    charVocabulary = '\u0001'..'\uFFFE';
}

protected String currentIndent = null;
protected StringTemplate self;

public DefaultTemplateLexer(StringTemplate self, Reader r) {
    this(r);
    this.self = self;
}

public void reportError(RecognitionException e) {
    self.error("$...$ chunk lexer error", e);
}

protected boolean upcomingELSE(int i) throws CharStreamException {
    return LA(i)=='$'&&LA(i+1)=='e'&&LA(i+2)=='l'&&LA(i+3)=='s'&&LA(i+4)=='e'&&
        LA(i+5)=='$';
}
protected boolean upcomingENDIF(int i) throws CharStreamException {
    return LA(i)=='$'&&LA(i+1)=='e'&&LA(i+2)=='n'&&LA(i+3)=='i'&&
           LA(i+5)=='f'&&LA(i+6)=='$';
}

protected boolean upcomingAtEND(int i) throws CharStreamException {
    return LA(i)=='$'&&LA(i+1)=='@'&&LA(i+2)=='e'&&LA(i+3)=='n'&&LA(i+4)=='$';
}

protected boolean upcomingNewline(int i) throws CharStreamException {
    return (LA(i)==''&&LA(i+1)=='
')||LA(i)=='
';
}

LITERAL
    : {LA(1)!=''&&LA(1)!='
'}? ( options { generateAmbigWarnings=false; }
        {
            int loopStartIndex=text.length();
            int col=getColumn();
        }
        : '\'! '$'  // allow escaped delimiter
            | '\'! '\'  // always replace \ with \
            | '\' ~'$'  // otherwise ignore escape char
            | ind:INDENT
            {
                if ( col==1 && LA(1)=='$' ) {
                    // store indent in ASTExpr not in a literal
                    currentIndent=ind.getText();
                    text.setLength(loopStartIndex); // reset length to wack text
                }
                else currentIndent=null;
            }
            | ~(('$'|''|'
'))+
        {if (($getText).length()==0) {$setType(Token.SKIP);}} // pure indent?
        ;
    )

NEWLINE
    : ('\r'?'\n' {newline(); currentIndent=null;})
        ;

ACTION
    options {
        generateAmbigWarnings=false; // SEXPR is ambig with $!..$
int startCol = getColumn();

    : LINE_BREAK {setType(Token.SKIP);}
    // Match escapes not in a string like \unu00a5>
    StringBuffer buf = new StringBuffer(); char uc = '\u0000';
    "$! (uc=ESC_CHAR {buf.append(uc);}) +"$!
    {setText(buf.toString()); $setType(LITERAL);}
    | COMMENT {setType(Token.SKIP);}
    |
    options {
        generateAmbigWarnings=false; // Sexpr$ is ambig with $endif$ etc...
}

    : $! "if" ("!)* "(" IF_EXPR ")" "$! {setType(TemplateParser.IF);}
        ( ('\n')? 'n'! {newline();})? // ignore any newline right after an IF
    |
    | "$! "elseif" ("!)* "(" IF_EXPR ")" "$! {setType(TemplateParser.ELSEIF);}
        ( ('\n')? 'n'! {newline();})? // ignore any newline right after an IF
    |
    | $! "else" "$! {setType(TemplateParser.ELSE);}
        ( ('\n')? 'n'! {newline();})? // ignore any newline right after an ELSE
    |
    | $! "endif" "$! {setType(TemplateParser.ENDIF);}
        ( [startCol==1]? ('\n')? 'n'! {newline();})? // ignore after ENDIF if on line by itself

    |
    // match $@foo()$ => foo
    // match $@foo$...$@end$ => foo:==...
    "$?! '@'! (~('$'|'(')+
    "()"! '$! {setType(TemplateParser.REGION_REF);}
    |
    "$! {setType(TemplateParser.REGION_DEF);
    String t=$getText;
    $setText(t+t+":=");
    }
    |
    options {greedy=true;}: ( ('\n')? 'n'! {newline();})?
    [boolean atLeft = false;]
    |
    options {greedy=true;} // handle greedy=false with predicate
    : [!(upcomingAtEND(1)||upcomingNewline(1)&&upcomingAtEND(2))]? ((('\n')? 'n'! {newline(); atLeft = true;})
    |
    | {atLeft = false;}
    |
    |
    | ( atLeft )? ( '\n'! {newline(); atLeft = true; })?
    |
    | "$@end$"!
    |
    | {self.error("missing region "+t+" $@end$ tag");}
    |
    | ( atLeft )? ( '\n'! {newline();})?
    |
    | "$! EXPR "$! // (Can't start with '!', which would mean comment)
    |}
{ 
    ChunkToken t = new ChunkToken(_ttype, $getText, currentIndent);
    $setToken(t);
} ;

protected
EXPR: ( ESC
    | ('\r')? '\n' {newline();}
    | SUBTEMPLATE
    | (|=|'+') TEMPLATE
    | (|=|'+') SUBTEMPLATE
    | (|=|'+') ~('"'|'<'|'{')
    | ~'\$
  )+
;

protected
TEMPLATE :
    "'" ESC ( ESC | "" )* "'
| "<<" (options {greedy=true;}:('\n')?\n! {newline();})? // consume 1st \n (options {greedy=false;} // stop when you see the >>
   :[LA(3)=='>&&LA(4)=='>']? '\r' '\n'! {newline();} // kill last \n [LA(2)=='>&&LA(3)=='>']? '\n'! {newline();} // kill last \n [\"'(\n'! {newline();} // else keep
   .
)*
  ">>"
;

protected
IF_EXPR:( ESC
    | ('\r')? '\n' {newline();}
    | SUBTEMPLATE
    | NESTED_PARENS
    | ~')'
  )+
;

protected
ESC_CHAR returns [char uc='\u0000']
    :"\\n"! {uc = '\n';}
| "\\t"! {uc = '\t';}
| "\\! {uc = ' ';
| "\\u"! a:HEX! b:HEX! c:HEX! d:HEX!
   {uc = (char)Integer.parseInt(a.getText()+b.getText()+c.getText()+d.getText(), 16);}
protected
ESC : '\\. // ($|n|t|\n|\t|{\'}\')
;

protected
HEX: '0'..'9'|'A'..'F'|'a'..'f'
;

protected
SUBTEMPLATE : '{' (SUBTEMPLATE|ESC|~'}')* '}'
;

protected
NESTED_PARENS : '(' (NESTED_PARENS|ESC|~')')*
;

protected
INDENT : ( INDENT : ' ' | '	')+
;

protected
COMMENT : { int startCol = getColumn();
    }
    "$!"
    (options {greedy=false;}:NESTED_PARENS|ESC|~'))*
    "$!
    ( {startCol==1}? ('')? '
' {newline();} )?
    ;

protected
LINE_BREAK : "$\\$" (INDENT)? ('')? '
' {newline();} (INDENT)?
;

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*/

package org.antlr.stringtemplate.language;
import org.antlr.stringtemplate.*;
import java.util.*;
}

/** Match an ST group interface. Just a list of template names with args.
 * Here is a sample interface file:
 *
 *interface nfa;
 *nfa(states,edges);
 *optional state(name);
 */

class InterfaceParser extends Parser;

options {
    k=3;
}

protected StringTemplateGroupInterface groupI;

public void reportError(RecognitionException e) {
    if ( groupI!=null ) {
        groupI.error("template group interface parse error", e);
    } else {
        System.err.println("template group interface parse error: "+e);
        e.printStackTrace(System.err);
    }
}

groupInterface[StringTemplateGroupInterface groupI]
{this.groupI = groupI;}
:"interface" name:ID {groupI.setName(name.getText());} SEMI
   ( template[groupI ]+ 
      
      template[templateGroupInterface groupI]
      {
         LinkedHashMap formalArgs = new LinkedHashMap(); // leave blank if no args
         String templateName=null;
      }
      :(opt:"optional")? name:ID LPAREN (formalArgs=args)? RPAREN SEMI
      {
         templateName = name.getText();
         groupI.defineTemplate(templateName, formalArgs, opt!=null);
      } 
   );

args returns [LinkedHashMap args=new LinkedHashMap()]
   :a:ID {args.put(a.getText(), new FormalArgument(a.getText()));}
   ( COMMA b:ID {args.put(b.getText(), new FormalArgument(b.getText()));} )* 
   ;

class InterfaceLexer extends Lexer;

   options {
      k=2;
      charVocabulary = '\u0000'..'\uFFFF';
   }

   ID:('a'..'z'|'A'..'Z'|'\_') ('a'..'z'|'A'..'Z'|'0'..'9'|'\_')*
   ;

   LPAREN: '(' ;
   RPAREN: ')';
   COMMA: ',' ;
   SEMI: ';';
   COLON: ':';

   // Single-line comments
   SL_COMMENT
     : "//" 
     (¬('\n'|'\r'))* (('\r')? '\n')?
     {$setType$(Token.SKIP); newline();}
   ;

   // multiple-line comments
   ML_COMMENT
/*

options {
  greedy=false;
}

: ('\r')? 'n' { newline(); } |
  . |
  "*/" { setType(Token.SKIP); }

// Whitespace -- ignored
WS : (' ' |
  't' |
  'f' |
  ('\r')? 'n' { newline(); } )+
  { setType(Token.SKIP); }

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import org.antlr.stringtemplate.*;
import java.io.*;

/**
 * Break up an input text stream into chunks of either plain text
 * or template actions in "<...>".  Treat IF and ENDIF tokens
 * specially.
 */
class AngleBracketTemplateLexer extends Lexer;

options {
    importVocab=TemplateParser;
    k=7; // see "<endif>
    charVocabulary = '\u0001'..'uFFFFE';
}

protected String currentIndent = null;
protected StringTemplate self;

public AngleBracketTemplateLexer(StringTemplate self, Reader r) {
    this(r);
    this.self = self;
}

public void reportError(RecognitionException e) {
    self.error("<...> chunk lexer error", e);
}

protected boolean upcomingELSE(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='e'&&LA(i+2)=='l'&&LA(i+3)=='s'&&LA(i+4)=='e'&&
        LA(i+5)=='>';
}

protected boolean upcomingENDIF(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='e'&&LA(i+2)=='n'&&LA(i+3)=='d'&&LA(i+4)=='i'&&
        LA(i+5)=='>';
}

protected boolean upcomingAtEND(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='@'&&LA(i+2)=='e'&&LA(i+3)=='n'&&LA(i+4)=='>';
}
protected boolean upcomingNewline(int i) throws CharStreamException {
    return (LA(i)==''&&LA(i+1)=='
')||LA(i)=='
';
}

LITERAL
    : { LA(1)!='' && LA(1)!='
' }?
        ( options { generateAmbigWarnings=false; }
            { int loopStartIndex=text.length();
              int col=getColumn();
            }
            : '\'! '<'  // allow escaped delimiter
              | '\'! '>'  // otherwise ignore escape char
              | ind:INDENT
                { if ( col==1 && LA(1)=='<' ) {
                    // store indent in ASTExpr not in a literal
                    currentIndent=ind.getText();
                    text.setLength(loopStartIndex); // reset length to wack text
                  } else currentIndent=null;
                } |
              (~('<'|'\r'|'\n'))
                )+
        )
        {if (($getText).length()==0) {$setType(Token.SKIP);}} // pure indent? 
;

protected
INDENT
    : ( options { greedy=true; }: ' ' | '	')+
    ;

NEWLINE
    : ('\r')? '\n' { newline(); currentIndent=null;}
    ;

ACTION
options {
    generateAmbigWarnings=false; // <EXPR> is ambig with <!..!>
}

{ int startCol = getColumn();
}
: LINE_BREAK { setType(Token.SKIP); }
| // Match escapes not in a string like <\u0000>
[ StringBuffer buf = new StringBuffer(); char uc = '\u0000';
 | '<'! (uc=ESC_CHAR {buf.append(uc); })+'>'
 | {setText(buf.toString()); setType(LITERAL); }
| COMMENT { setType(Token.SKIP); }
| ( 
| options {
| generateAmbigWarnings=false; // $EXPR$ is ambig with $endif$ etc...
} )
| <! "if" (' ')* "(" IF_EXPR ")" ">"! { setType(TemplateParser.IF); }
| ( '\r'? '\n'? {newline();})? // ignore any newline right after an IF
| <! "elseif" (' ')* "(" IF_EXPR ")" ">"! { setType(TemplateParser.ELSEIF); }
| ( '\r'? '\n'? {newline();})? // ignore any newline right after an IF
| <! "else" ">"! { setType(TemplateParser.ELSE); }
| ( '\r'? '\n'? {newline();})? // ignore any newline right after an ELSE
| <! "endif" ">"! { setType(TemplateParser.ENDIF); }
| ( [startCol==1]? ('r')? '\n'! {newline();})? // ignore after ENDIF if on line by itself
| // match <@foo()> => foo
| // match <@foo>...<@end> => foo::=
| '| <! @'! (~('>'|'('))+
| "()"! ">"! { setType(TemplateParser.REGION_REF); }
| | ">
| { setType(TemplateParser.REGION_DEF); 
| String t=${getText};
| ${setText(t+"::=");}
| ( options {greedy=true;}) : ( '\r')? '\n'! {newline();})?
| [boolean atLeft = false;]
| ( 
| options {greedy=true;} // handle greedy=false with predicate
| :(![upcomingAtEND(1)]&![upcomingNewline(1)&upcomingAtEND(2)]))
| ( '\r')? '\n'! {newline(); atLeft = true;}
| |
| +
| ( '\r')? '\n'! {newline(); atLeft = true; })
| ( "<@end>")!
| |
| . {self.error("missing region "+t+" <@end> tag");}
| )
| ( atLeft )? ( '\r')? '\n'! {newline();})?
| )
| | <! EXPR ">"!
| )
| )
ChunkToken t = new ChunkToken(_ttype, $getText, currentIndent);
};

protected
EXPR: ( ESC
 |
   ('\r')? '\n' {newline();}
 |
   SUBTEMPLATE
 |
   ('='|'+') TEMPLATE
 |
   ('='|'+') SUBTEMPLATE
 |
   ('='|'+') ~('""|'<'|'{')
 |
   '<'>'
 |
   )+
);

protected
TEMPLATE:="" ( ESC | "" )* ""
|
""<<"
 |
( options {greedy=true;}:{'\r'}?\n! {newline();})? // consume 1st 
 |
( options {greedy=false;} // stop when you see the >>
 :[LA(3)==>'&LA(4)==>'] ? '\r' '\n'! {newline();} // kill last \n |
[LA(2)==>'&LA(3)==>'] ? '\n'! {newline();} // kill last \n |
['\r']? '\n' {newline();} // else keep
 |

"">>"
);

protected
IF_EXPR: ( ESC
 |
   ('\r')? '\n' {newline();}
 |
   SUBTEMPLATE
 |
   NESTED_PARENS
 |
   ~')'
 |
   )+
);

protected
ESC_CHAR returns [char uc='\u0000']
:""\n" {uc = '\n';}
 |
:""\r" {uc = '\r';}
 |
:""\t" {uc = ' ';
 |
:""\ " {uc = '\ ';}
 |
:""a:HEX! b:HEX! c:HEX! d:HEX!
 |
 {uc = (char)Integer.parseInt(a.getText()+b.getText()+c.getText()+d.getText(), 16);};


protected
ESC :  '\'. // ('<'|'>'|'n'|'t'|'\'|'\'|':'|'{'|'}'|'\')
;

protected
HEX: '0'..'9'|'A'..'F'|'a'..'f'
;

protected
SUBTEMPLATE
  :  '{' (SUBTEMPLATE|ESC|~'}')* '}'
;

protected
NESTED_PARENS
  :  '(' options {greedy=false;}:NESTED_PARENS|ESC|~')')+ ')'
;

protected
COMMENT
  {
    int startCol = getColumn();
  }
  :  "<!
    (options {greedy=false;}:
      '\r'? '\n' {newline();}
    |
      .
    )*" ( {startCol==1}? ('\r'? '\n' {newline();} )? )?
;

protected
LINE_BREAK
  :  "\<\<\" (INDENT)? ('\r'? '\n' {newline();}) (INDENT)?
;

Found in path(s):
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/angle.bracket.template.g
No license file was found, but licenses were detected in source scan.

header {
/*
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*/
package org.antlr.stringtemplate.language;
import org.antlr.stringtemplate.*;
import java.util.*;
}

/** Match a group of template definitions beginning
 *  with a group name declaration.  Templates are enclosed
 *  in double-quotes or <<...>> quotes for multi-line templates.
 *  Template names have arg lists that indicate the cardinality
 *  of the attribute: present, optional, zero-or-more, one-or-more.
 *  Here is a sample group file:

 group nfa;

 // an NFA has edges and states
 nfa(states,edges) ::= <<
 digraph NFA {
 rankdir=LR;
 <states; separator="\n"> <edges; separator="\n"> }
 >>

 state(name) ::= "node [shape = circle]; <name>;"
class GroupParser extends Parser;

options {
    k=3;
}

protected StringTemplateGroup group;

public void reportError(RecognitionException e) {
    if ( group!=null ) {
        group.error("template group parse error", e);
    } else {
        System.err.println("template group parse error: "+e);
        e.printStackTrace(System.err);
    }
}

group[StringTemplateGroup g]
{
    this.group = g;
}
:
    "group" name:ID {g.setName(name.getText());}
    ( COLON s:ID {g.setSuperGroup(s.getText());})?
        ( "implements" i:ID {g.implementInterface(i.getText());}
            (COMMA i2:ID {g.implementInterface(i2.getText());} )* )?
    SEMI
    ( template[g] | mapdef[g] )+
;

template[StringTemplateGroup g]
{
    Map formalArgs = null;
    StringTemplate st = null;
    boolean ignore = false;
    String templateName=null;
    int line = LT(1).getLine();
}
:(AT scope:ID DOT region:ID
{
    templateName=g.getMangledRegionName(scope.getText(),region.getText());
    if ( g.isDefinedInThisGroup(templateName) ) {
        g.error("group "+g.getName()+" line "+line+: redefinition of template region: @"+scope.getText()+"."+region.getText);
    

*/
st = new StringTemplate(); // create bogus template to fill in
}
else {
boolean err = false;
// @template.region() ::= "..."
StringTemplate scopeST = g.lookupTemplate(scope.getText());
if ( scopeST==null ) {
g.error("group "+g.getName()+" line "+line+": reference to region within undefined template: "+
scope.getText());
err=true;
}
if ( !scopeST.containsRegionName(region.getText()) ) {
g.error("group "+g.getName()+" line "+line+": template "+scope.getText()+" has no region called "+
region.getText());
err=true;
}
if ( err ) {
st = new StringTemplate();
}
else {
st = g.defineRegionTemplate(scope.getText(),
region.getText(),
null,
StringTemplate.REGION_EXPLICIT);
}

|name:ID {templateName = name.getText();}
{
if ( g.isDefinedInThisGroup(templateName) ) {
g.error("redefinition of template: "+templateName);
st = new StringTemplate(); // create bogus template to fill in
}
else {
st = g.defineTemplate(templateName, null);
}
}

}[args][st][| {st.defineEmptyFormalArgumentList();}]
LPAREN
   (args[st]|{st.setGroupFileLine(line);})
RPAREN
DEFINED_TO_BE
(t:STRING |{st.setTemplate(t.getText());})
|bt:BIGSTRING |{st.setTemplate(bt.getText());}
)

| alias:ID DEFINED_TO_BE target:ID
{g.defineTemplateAlias(alias.getText(), target.getText());}

args[StringTemplate st]
    :arg[st] ( COMMA arg[st] )*

;

arg[StringTemplate st]
{
    StringTemplate defaultValue = null;
}
:name:ID
(ASSIGN s:STRING
{
    defaultValue=new StringTemplate("$_val_");
    defaultValue.setAttribute("_val_", s.getText());
    defaultValue.defineFormalArgument("_val_");
    defaultValue.setName("<"+st.getName()+" arg "+name.getText()+" default value subtemplate>");
}
ASSIGN bs:ANONYMOUS_TEMPLATE
{
    defaultValue=new StringTemplate(st.getGroup(), bs.getText());
    defaultValue.setName("<"+st.getName()+" arg "+name.getText()+" default value subtemplate>");
}
)?
    {st.defineFormalArgument(name.getText(), defaultValue);}
;
/*
suffix returns [int cardinality=FormalArgument.REQUIRED]
    : OPTINAL {cardinality=FormalArgument.OPTIONAL;}
    | STAR     {cardinality=FormalArgument.ZERO_OR_MORE;}
    | PLUS     {cardinality=FormalArgument.ONE_OR_MORE;}
    |
    *
*/

mapdef[StringTemplateGroup g]
{
    Map m=null;
}
:name:ID
    DEFINED_TO_BE m=map
    {
        if ( g.getMap(name.getText())!=null ) {
            g.error("redefinition of map: "+name.getText());
        }
        else if ( g.isDefinedInThisGroup(name.getText()) ) {

g.error("redefinition of template as map: " + name.getText());
}
else {
g.defineMap(name.getText(), m);
}
}
;

map returns [Map mapping=new HashMap()]
  : LBRACK mapPairs[mapping] RBRACK

mapPairs [Map mapping]
  : keyValuePair[mapping] (COMMA keyValuePair[mapping])*
  (COMMA defaultValuePair[mapping])?
  | defaultValuePair[mapping]

defaultValuePair[Map mapping]
{
  StringTemplate v = null;
}
:"default" COLON v=keyValue
  {mapping.put(ASTExpr.DEFAULT_MAP_VALUE_NAME, v);}

keyValuePair[Map mapping]
{
  StringTemplate v = null;
}
:key:STRING COLON v=keyValue {mapping.put(key.getText(), v);}

keyValue returns [StringTemplate value=null]
  :s1:BIGSTRING {value = new StringTemplate(group,s1.getText());}
  |s2:STRING {value = new StringTemplate(group,s2.getText());}
  |k:ID {k.getText().equals("key")}?
  {value = ASTExpr.MAP_KEY_VALUE;}
  |{value = null;}

class GroupLexer extends Lexer;

options {
k=2;
charVocabulary = \u0000..\uFFFE;
testLiterals=false;
}
ID
  options {
    testLiterals=true;
  }
  :('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'-'|'_')*

STRING
  :"""! ( '\W!' "" | '\W ~"" | ~"" )*"""

BIGSTRING
  :"<"!
    (options {greedy=true;}:('a')?\n! [ newlne();] // consume 1st \n
    options {greedy=false;} // stop when you see the >>
    [:LA(3)==>' &&&LA(4)==>'] ? \n! \n! {newlne();} // kill last \n
    [:LA(2)==>' &&&LA(3)==>'] ? \n! \n! {newlne();} // kill last \n
    [\w]? \w' {newlne();} // else keep

    ['\n! » ' // \\ escape

    |.
  )*"">"!

ANONYMOUS_TEMPLATE
  {
    List args=null;
    StringTemplateToken t = null;
  }
  :'{'
    (options {greedy=false;} // stop when you see the >>

    [\w']? \w' {newlne();} // else keep

    ['\n! ] ' // \\ escape

    |.
  )*'}

AT:'@' ;
LPAREN: '(' ;
RPAREN: ')' ;
LBRACK: '[' ;
RBRACK: ']' ;
COMMA: ',' ;
DOT: '.' ;
DEFINED_TO_BE: "::=" ;
SEMI:  ';' ;  
COLON:  ':' ;  
STAR:   '*' ;  
PLUS:   '+' ;  
ASSIGN:   '=' ;  
OPTIONAL :   '?' ;  

// Single-line comments  
SL_COMMENT  
:   "//"  
   ( (\n|\r)\n |   (\n|\r)\n)  
   { $setType(Token.SKIP); newline(); }  
;

// multiple-line comments  
MLCOMMENT  
:   "/*"  
   (   options {  
        greedy=false;  
   }  
   :   (\n|\r)\n |   (\n|\r)\n*  
   "*/"  
   { $setType(Token.SKIP); }  
   ;  

// Whitespace -- ignored  
WS  :   (   ' '  
   |   \t  
   |   \f  
   |   (\n|\r)\n \n'  
   |   (\n|\r)\n \n'  
   |   (\n|\r)\n \n'  
   |   (\n|\r)\n \n'  
   )+  
   { $setType(Token.SKIP); }  
   ;  

Found in path(s):  
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4.jar/org/antlr/stringtemplate/language/antlr/stringtemplate-3.2.1-4.jar/
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  jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateDefaultDdlAutoProvider.java
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  jar/org/springframework/boot/autoconfigure/security/servlet/JerseyRequestMatcherProvider.java
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  jar/org/springframework/boot/autoconfigure/mongo/ReactiveMongoClientFactory.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerReactiveWebConfiguration.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateAutoConfiguration.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/amqp/SimpleRabbitListenerContainerFactoryConfigurer.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/cache/CacheConfigurations.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraRepositoriesAutoConfigureRegistrar.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/data/couchbase/SpringBootCouchbaseReactiveDataConfiguration.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/condition/NoneNestedConditions.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/task/TaskExecutionAutoConfiguration.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/jms/JmsPoolConnectionFactoryFactory.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/flyway/FlywaySchemaManagementProvider.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastClientFactory.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/data/couchbase/SpringBootCouchbaseReactiveDataConfiguration.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/cache/CacheConfigurations.java
* /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-
  jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraRepositoriesAutoConfigureRegistrar.java
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- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/data/redis/RedisConnectionConfiguration.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/data/redis/RedisReactiveAutoConfiguration.java
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- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/quartz/QuartzDataSourceInitializer.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/kafka/KafkaAutoConfiguration.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/jdbc/XADataSourceAutoConfiguration.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/AbstractDependsOnBeanFactoryPostProcessor.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/mongo/MongoClientFactory.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/web/format/WebConversionService.java
- /opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2.jar
- jar/org/springframework/boot/autoconfigure/session/RedisReactiveSessionConfiguration.java
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*/opt/cola/permits/1136220879_1613710193.12/0/spring-boot-autoconfigure-2-1-6-release-sources-2-jar/org/springframework/boot/autoconfigure/web/servlet/MultipartProperties.java
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* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/JSONObject.java
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* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/JSONStreamAwareEx.java
* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/writer/FakeMapper.java
* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/JSONAwareEx.java
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* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/parser/JSONParserString.java
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* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/parser/DefaultMapperOrdered.java
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jar/net/minidev/json/writer/DefaultMapperCollection.java
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* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/JSONStyle.java
* /opt/cola/permits/1177952445_1625583906.57/0/json-smart-2-3-sources-4-jar/net/minidev/json/parser/JSONParserInputStream.java
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* /opt/cola/permits/1135880253_1613624225.6/0/spring-cloud-context-2-2-3-release-sources-1-
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1.1007 jnr-netdb 1.1.6

1.1008 jackson-datatype-jdk8 2.9.9

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C port of Murmur3 hash

This is a port of the [Murmur3](http://code.google.com/p/smhasher/wiki/MurmurHash3) hash function. Murmur3 is
a non-cryptographic hash, designed to be fast and excellent-quality for making things like hash tables or bloom
filters. This is a port of the original C++ code, designed for Visual Studio, into standard C that gcc can compile
efficiently.

How to use it

----------

Just compile and link your program with `murmur3.c`, and be sure to include `murmur3.h` to get the function
prototypes. There are three hash functions:

void MurmurHash3_x86_32 (const void *key, int len, uint32_t seed, void *out);

void MurmurHash3_x86_128(const void *key, int len, uint32_t seed, void *out);

void MurmurHash3_x64_128(const void *key, int len, uint32_t seed, void *out);

All three of these functions have the same interface: you give them `key`, a pointer to the data you wish to hash;
`len`, the length in bytes; `seed`, an arbitrary seed number which you can use to tweak the hash, and `out`, a pointer
to a buffer big enough to hold the hash's output value.

The hash functions differ in both their internal mechanisms and in their outputs. They are specialized for different
use cases:
**MurmurHash3_x86_32** has the lowest throughput, but also the lowest latency. If you're making a hash table that usually has small keys, this is probably the one you want to use on 32-bit machines. It has a 32-bit output.

**MurmurHash3_x86_128** is also designed for 32-bit systems, but produces a 128-bit output, and has about 30% higher throughput than the previous hash. Be warned, though, that its latency for a single 16-byte key is about 86% longer!

**MurmurHash3_x64_128** is the best of the lot, if you're using a 64-bit machine. Its throughput is 250% higher than MurmurHash3_x86_32, but it has roughly the same latency. It has a 128-bit output.

The hash functions are designed to work efficiently on x86 processors; in particular, they make some assumptions about the endianness of the processor, and about the speed of unaligned reads. If you have problems running this code on non-x86 architectures, it should be possible to modify it to work correctly and efficiently -- I just don't have access to those machines for testing. The code in `murmur3.c` is pretty straightforward, and shouldn't be too hard to alter.

There is an example program, `example.c`, which you can look at and play with. You can build it with the makefile.

License and contributing
------------------------

All this code is in the public domain. Murmur3 was created by Austin Appleby, and the C port and general tidying up was done by Peter Scott. If you'd like to contribute something, I would love to add your name to this list.

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1.1011 logstash-codec-graphite 3.0.5
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Contributors:
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1.1012 libusb 0.1.12-25

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of
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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8
1.017 jboss-logging 3.3.2.Final
1.017.1 Available under license:

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1.1018 lang-painless 7.2.0

1.1019 typetools 0.5.0

1.1020 xpp 1.1.3.4
1.1020.1 Available under license :
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* /opt/cola/permits/1001401704_1611198592.98/0/xpp3-1-1-3-4-o-sources-jar-2-4-o-sources-jar/org/xmlpull/mxp1/MXParserCachingStrings.java
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 * $Id: MXParserNonValidating.java,v 1.6 2004/03/02 09:14:41 aslom Exp $
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  jar/javax/xml/namespace/QName.java

1.1021 acl 2.2.51 15.el7

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1.1024 asm 5.1

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 */
/***/
* Creates a new JSRInliner. Subclasses must not use this
* constructor. Instead, they must use the
* {
* @link JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
* *
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see @link Opcodes). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see @link Type).
* @param signature
* the method's signature. May be <tt>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
* { @link Type#getName()} getInternalName()). May be
* <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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**
* Constructs a new [@link Textifier]. <i>Subclasses must not use this
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* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/xml/ASMContentHandler.java

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*/
/**
 * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see {@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type Type}).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
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  */

/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *     the owner's class name.
 * @param access
 *     the method's access flags (see {@link Opcodes}).
 * @param name
 *     the method's name.
 * @param desc
 *     the method's descriptor (see {@link Type Type}).
 * @param mv
 *     the method visitor to which this adapter delegates calls. May
 *     be <tt>null</tt>.
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * @param typeRef
 * a reference to the annotated type. See @link TypeReference.}
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of the annotation class.
 */
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/analysis/Analyzer.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/optimizer/JarOptimizer.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
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*/
/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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1.1027 logstash-filter-http 1.0.1

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1.1033 bash 4.2.46 31.el7
1.1033.1 Available under license:
From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?
> Hi. I snagged some of your bash functions from your home directory on
> the FSF machines (naughty, I know), and I was wondering if you'd let
> me distribute them with bash-2.0. Thanks.

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

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

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@c ispell-local-pdict: "ispell-dict"
@c End:
From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwr/CRWU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400
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That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
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1.1034 curl 7.29.0 57.el7
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libssh2 http://www.libssh2.org/

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

1.1035 snake-yaml 1.17

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Manoj Srivastava <srivasta@debian.org>

1.1037 functools32 3.2.3.post2

1.1037.1 Available under license:

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Metadata-Version: 2.0
Name: functools32
Version: 3.2.3.post2
Summary: Backport of the functools module from Python 3.2.3 for use on 2.7 and PyPy.
Home-page: https://github.com/MiCHiLU/python-functools32
Author: ENDOH takanao
Author-email: djmchl@gmail.com
License: PSF license
Platform: UNKNOWN

This is a backport of the functools standard library module from Python 3.2.3 for use on Python 2.7 and PyPy. It includes new features `lru_cache` (Least-recently-used cache decorator).

Found in path(s):
* /opt/cola/permits/1119804716_1609795449.28/0/functools32-3-2-3-post2-dist-info-
zip/maglev_rootsfs/opt/maglev/lib/python2.7/site-packages/functools32-3.2.3.post2.dist-info/METADATA

1.1038 file-system 3.2 25.el7

1.1039 jackson 2.9.7

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1.1040 yum-utils 1.1.31-50.el7

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Changes by Ben Collins <bcollins@debian.org>, added --chuid, --background and --make-pidfile options, placed in public domain as well.

Files: lib/compat/md5.*

This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

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

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TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser 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.

Open Source Used In Cisco Auto Inline Retuner 2.1.0 12452
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 combine or
link a “work that uses the Library” with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer’s own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.
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through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

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

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

VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY
*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
   1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
      - You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
      - You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
   e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does
not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be
removed or changed, except that the person himself can make
corrections.

III) If you distribute a modified version of Vim, you are encouraged to use
the Vim license for your changes and make them available to the
maintainer, including the source code. The preferred way to do this is
by e-mail or by uploading the files to a server and e-mailing the URL.
If the number of changes is small (e.g., a modified Makefile) e-mailing a
context diff will do. The e-mail address to be used is
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim
sources, parts of it or from a modified version. You may use this
license for previous Vim releases instead of the license that they came
with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
[sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
A few minor changes have been made since he checked it, but that should not
make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
further distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

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

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

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

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

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

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

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

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps.

When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:
1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:
Kibaale Children’s Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

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

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

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

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)
Address to send checks to:
Bram Moolenaar
Finsterruethof 1
8134 Adliswil
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1.1054 lsb 9.20170808ubuntu1

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1.1055 jetty-servlet 9.4.18.v20190429

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* java.sun.security.ssl

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

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org.apache.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
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org.eclipse.jetty.toolchain:jetty-schemas

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1.1057 tzinfo-data 1.2019.1

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- web-common_3_0.xsd
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* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/ServerIntrospector.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonClientConfiguration.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonLoadBalancerClient.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonClientConfigurationRegistrar.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/okhttp/OkHttpRibbonRequest.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/support/RibbonRequestCustomizer.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/support/ResettableServletInputStreamWrapper.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/apache/RibbonHttpClient.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/apache/StaticServerList.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RestClientRibbonConfiguration.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonHttpResponse.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonAutoConfiguration.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/okhttp/RetryableOkHttpLoadBalancingClient.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/support/AbstractLoadBalancingClient.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/okhttp/OkHttpLoadBalancingHttpClient.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RestClientRibbonConfiguration.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonHttpResponse.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1.jar/org/springframework/cloud/netflix/ribbon/RibbonAutoConfiguration.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1-
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* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1-jar/org/springframework/cloud/netflix/ribbon/RibbonUtils.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1-jar/org/springframework/cloud/netflix/ribbon/PropertiesFactory.java
* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1-jar/org/springframework/cloud/netflix/ribbon/RibbonStatsRecorder.java
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* /opt/cola/permits/1141561061_1615013693.22/0/spring-cloud-netflix-ribbon-2-2-2-release-sources-1-jar/org/springframework/cloud/netflix/ribbon/RibbonApplicationContextInitializer.java
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1.1069 azure-storage 8.0.0

1.1070 e2fsprogs 1.42.12-2+b1

1.1070.1 Available under license:

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
+ Copyright (C) Paul 'Rusty' Russell 2000

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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

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
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otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
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# 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-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$ (RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$ (RM) -rf pic
$ (RM) -f $(BSD_LIB)
$ (RM) -f ../$(BSD_LIB)

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

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

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* /opt/cola/permits/1156532592_1619205138.79/0/snmp-1-3-2-gem/data-tar-gz/lib/snmp.rb

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src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
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src/bdf/bdf.h
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}.  
 *
 * <h3>Sub-types</h3>
 * <p>
 * { @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li cep> { @link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li cep> { @link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * </p>
 * 
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li cep>{ @link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
 * <li cep>{ @link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
 * <li cep>{ @link ChannelDuplexHandler} to handle both inbound and outbound events</li>
 * </ul>
 * </p>
 * </p>
 * 
 * For more information, please refer to the documentation of each subtype.
 * </p>
 *
* <h3>The context object</h3>

* A { @link ChannelHandler} is provided with a { @link ChannelHandlerContext}
* object. A { @link ChannelHandlerContext} is supposed to interact with the
* { @link ChannelPipeline} it belongs to via a context object. Using the

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context object, the \{@link ChannelHandler\} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
(using \{@link AttributeKey\}s) which is specific to the handler.

<h3>State management</h3>

*A \{@link ChannelHandler\} often needs to store some stateful information.
The simplest and recommended approach is to use member variables:

<pre>
public interface Message {
    // your methods here
}

public class DataServerHandler extends \{@link SimpleChannelInboundHandler\}&lt;Message&gt; {
    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
}

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

<pre>
// Create a new handler instance per channel.
// See \{@link ChannelInitializer#initChannel\(Channel\)\}.
public class DataServerInitializer extends \{@link ChannelInitializer\}&lt;\{@link Channel\}\> {
    @Override
    public void initChannel(\{@link Channel\} channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}</pre>
Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}

@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```
* The `@Sharable` annotation

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation.

If a `ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `ChannelPipeline`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/embedded/EmbeddedChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/CombinedChannelDuplexHandler.java
jar/io/netty/channel/embedded/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/ChannelFlushPromiseNotifier.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/ChannelException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/local/LocalServerChannel.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/EventLoopException.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1.jar/io/netty/channel/socket/oio/package-info.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/EventLoopTaskQueueFactory.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ExtendedClosedChannelException.java

## 1.1092 child-process 0.9.0

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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
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lib/libgss/g_dsp_status.c
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lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_init.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
```
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

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

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1.1102 opensaml-saml-api 3.3.0

1.1103 yum 3.4.3-167.el7.centos

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1.1117 spring-retry 1.3.1

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The End
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>
  Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
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1.1124 pcre 8.32 17.el7

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Written by: Philip Hazel
Email local part: ph10
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PCRE JUST-IN-TIME COMPILATION SUPPORT
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STACK-LESS JUST-IN-TIME COMPILER

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1.1125 rapidxml 1.13

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1.1126 logstash-filter-metrics 4.0.6

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1.1127 log4j-api 2.12.1
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1.1128 shadow 4.6-5.el7

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1.1131 tre 0.8.0

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1.1132 awsjavasdkec 1.11.415

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*/
/**
* <p>
* Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats
can
* be modified; it does not return information about other resource types.
* </p>
* </p>
* The following resource types support longer IDs: <code>bundle</code> | <code>conversion-task</code> | 
* <code>customer-gateway</code> | <code>dhcp-options</code> | <code>elastic-ip-allocation</code> | 
* <code>elastic-ip-association</code> | <code>export-task</code> | <code>flow-log</code> | 
* <code>image</code> | 
* <code>import-task</code> | <code>instance</code> | <code>internet-gateway</code> | <code>network-acl</code> | 
* <code>network-acl-association</code> | <code>network-interface</code> | <code>network-interface-attachment</code> | 
| <code>prefix-list</code> | <code>reservation</code> | <code>route-table</code> | 
* <code>route-table-association</code> | <code>security-group</code> | <code>snapshot</code> | 
* <code>subnet</code> | 
* <code>subnet-cidr-block-association</code> | <code>volume</code> | <code>vpc</code> | 
* <code>vpc-cidr-block-association</code> | <code>vpc-endpoint</code> | <code>vpc-peering-connection</code> | 
* <code>vpn-connection</code> | <code>vpn-gateway</code>.  
* </p>
* </p>
* These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By 
* default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings 
* by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM 
* users, 
* regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> 
* command for the resource type. 
* </p>
* 
* @param describeIdFormatRequest
* Contains the parameters for DescribeIdFormat.
* @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
* @sample AmazonEC2Async.DescribeIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API</a>
* Documentation</a>  
* 
/**
* Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should 
* receive longer IDs (17-character IDs) when they are created.
* </p>
* 
* This request can only be used to modify longer ID settings for resource types that are within the opt-in period.
* Resources currently in their opt-in period include: <code>bundle</code> | <code>conversion-task</code> | 
* <code>customer-gateway</code> | <code>dhcp-options</code> | <code>elastic-ip-allocation</code> | 
* <code>elastic-ip-association</code> | <code>export-task</code> | <code>flow-log</code> | 
* <code>image</code> |
This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html" in the Amazon Elastic Compute Cloud User Guide.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.

@sample AmazonEC2Async.ModifyIdFormat

@see "http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat" target="_top">AWS API Documentation</a>

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 */
/**
 * <p>
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
 * can
 * be modified; it does not return information about other resource types.
 * </p>

* These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see Resource IDs in the Amazon Elastic Compute Cloud User Guide.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant Describe command for the resource type.

@param modifyIdFormatRequest
Contains the parameters of ModifyIdFormat.

@return Result of the ModifyIdFormat operation returned by the service.

@sample AmazonEC2.ModifyIdFormat

@see "http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html" AWS API Documentation

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* /opt/cola/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/util/package-info.java
* /opt/cola/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/model/transform/EC2RequestHandler.java
* /opt/cola/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/model/DryRunResult.java
* /opt/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/model/DryRunSupportedRequest.java
* /opt/cola/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
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* /opt/cola/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/util/S3UploadPolicy.java
* /opt/permits/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1-
  jar/com/amazonaws/services/ec2/util/package-info.java

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<code>ebs-optimized</code> - A boolean that indicates whether the instance is optimized for Amazon EBS I/O.

<code>iam-instance-profile</code> - The ARN of the IAM instance profile.

<code>image-id</code> - The ID of the AMI.

<code>instance-type</code> - The instance type.

<code>is-default-version</code> - A boolean that indicates whether the launch template version is the default version.

<code>kernel-id</code> - The kernel ID.

<code>ram-disk-id</code> - The RAM disk ID.

Found in path(s):
*/

/open/cola/permissions/1141119424_1614932506.53/0/aws-java-sdk-ec2-1-11-415-sources-1.jar/com/amazonaws/services/ec2/model/DescribeLaunchTemplateVersionsRequest.java

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1.1134 analysis-common 7.2.0

1.1135 logstash-output-lumberjack 3.1.7
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4.1.48.Final

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* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4-1-48-final-sources-5-jar/netty_unix_buffer.c
* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4-1-48-final-sources-5-jar/io/netty/channel/unix/Buffer.java
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jar/io/netty/channel/unix/UnixChannelOption.java
* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4.1.48-final-sources-5-
jar/io/netty/channel/unix/IovArray.java
* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4.1.48-final-sources-5-
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jar/netty_unix_jni.h
* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4-1-48-final-sources-5-
jar/io/netty/channel/unix/UnixChannelUtil.java

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* /opt/cola/permits/1177956777_1625584671.66/0/netty-transport-native-unix-common-4-1-48-final-sources-5-jar/io/netty/channel/unix/SocketWritableByteChannel.java
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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 Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.1155 simple-xml 1.1.5

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Found in path(s):
* /opt/cola/permits/1156528636_1619204971.1/0/xml-simple-1-1-5-gem/data-tar-gz/lib/xmlsimple.rb
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medium customarily used for software interchange.

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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
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Version 2.1, February 1999

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Written by: Philip Hazel
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zlib.h -- interface of the 'zlib' general purpose compression library
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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);
            }
    }

    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

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.1192 p11-kit 0.23.15-2
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/AlternativeLongOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/OptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8.jar/joptsimple/internal/MethodInvokingValueConverter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
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* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/IllegalOptionSpecificationException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/internal/Strings.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/OptionMissingRequiredArgumentException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionSet.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/ArgumentAcceptingOptionSpec.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/InetAddressConverter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/OptionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/BuiltinHelpFormatter.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/OptionSpecTokenizer.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/internal/ReflectionException.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-
  jar/joptsimple/internal/OptionNameMap.java
* /opt/cola/permits/1177945013_1625575335.76/0/jopt-simple-5-0-4-sources-8-jar/joptsimple/HelpFormatter.java

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1.1194 dirgra 0.3

1.1195 vixie-cron 3.0pl1-134+deb10u1

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## Commands to generate dependency files
GEN_DEPS.c=$CC -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,${(notdir $(MIDDLE_SO_TARGET))}

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

## Bind internal references
# LDflags that pkgdata will use
BIR_LDFLAGS = -Wl,-Bsymbolic
# Dependencies [i.e. map files] for the final library
BIR_DEPS=

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

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1.1202 javapackages-tools 3.4.1 11.el7

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.1217 logstash-input-ganglia 3.1.4

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  jar/com/sun/msv/datatype/regexp/ParseException.java
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jar/com/sun/msv/datatype/regexp/RegularExpression.java
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jar/com/sun/msv/datatype/regexp/Match.java
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1.1224 base-files 10.3+deb10u9

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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1227 passwd 0.79 4.el7

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compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
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* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/FilterUrlByProtocolAttributePolicy.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/HtmlTextEscapingMode.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/TCB.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/HtmlStreamRenderer.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/HtmlTokenType.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/examples/UrlTextExample.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/examples/SlashdotPolicyExample.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/StylingPolicy.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/HtmlChangeReporter.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/package-info.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/HtmlSanitizer.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/CssGrammar.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
  jar/org/owasp/html/Trie.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3-
jar/org/owasp/html/HtmlChangeListener.java
* /opt/cola/permits/1136449524_1613767508.39/0/owasp-java-html-sanitizer-r239-sources-3.jar/org/owasp/html/ElementAndAttributePolicyBasedSanitizerPolicy.java

1.1237 jackson-dataformat-cbor 2.9.8
1.1238 logstash-filter-grok 4.0.4

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1.1239 ribbon 2.3.0

1.1240 freemarker 2.3.30

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2.1.2.RELEASE

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 */

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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                           
  uv__io_t eventWatcher;                                                     

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                         
  int rpcount;                                                              
  int wcount;                                                               
#endif
#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
    analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
    http://snowball.tartarus.org/

The KStem stemmer in
    analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
    analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian, and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java`

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1.1263 logstash-output-null 3.0.5

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* ASM: a very small and fast Java bytecode manipulation framework
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Note:

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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

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

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

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

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

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

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

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

*donate*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

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

USA:The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada:Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

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

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
if version < 600
    " Remove any old syntax stuff hanging around
    syn clear
elseif exists("b:current_syntax")
    finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^"# ][^#]*+ contained
syn region psfQuotString start=+"+ skip=+"+ end=+"+ contained

syn match  psfObjTag    "\[-_+A-Z0-9a-z]\+[\[-_+A-Z0-9a-z]\]+" contained
syn match  psfAttAbbrev "\.<fa|fr|[aclqrv]\(<|>|<=|>=|==\)[^,]+" contained
syn match  psfObjTags  "\[-_+A-Z0-9a-z]\+[\[-_+A-Z0-9a-z]\]+" contained

syn match  psfNumber    "\d+" contained
syn match  psfFloat     "\d+\.(\d+)\*" contained

syn match  psfLongDate  "\d{8}\d{4}\d{2}\d{2}\d{2}\d{2}\d{2}\d{2}" contained

syn keyword psfState    available configured corrupt installed transient contained
syn keyword psfPState   applied committed superseded contained

syn keyword psfBoolean  false true contained

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

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

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

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

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

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

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

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

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

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

syn match  psfComment ".*$"
" Define the default highlighting.
" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
  if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
  else
    command -nargs=+ HiLink hi def link <args>
  endif
endif

HiLink psfObject       Statement
HiLink psfAttrib       Type
HiLink psfQuotString   String
HiLink psfObjTag       Identifier
HiLink psfAttAbbrev    PreProc
HiLink psfObjTags      Identifier

HiLink psfComment      Comment

delcommand HiLink
endif

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

let b:current_syntax = "psf"
/*
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 *
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1.1274 v8 6.8.275.32
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- Layout tests, located in test/mjsunit/third_party/object-keys. These are based on layout tests from webkit.org which are copyrighted by Apple Computer, Inc. and released under a 3-clause BSD license.

- Strongtalk assembler, the basis of the files assembler-arm-inl.h, assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h, assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h, assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h, assembler-mips.cc, assembler-mips.h, assembler.cc and assembler.h. This code is copyrighted by Sun Microsystems Inc. and released under a 3-clause BSD license.

- Valgrind client API header, located at third_party/valgrind/valgrind.h. This is released under the BSD license.

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Tests included here are based on build output generated by the six-speed
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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

Release 7 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS
-----------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

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THE C++ WRAPPER FUNCTIONS
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- Layout tests, located in test/mjsunit/third_party/object-keys. These are
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- Strongtalk assembler, the basis of the files assembler-arm-inl.h,
assembler-arm.cc, assembler-arm.h, assembler-ia32-inl.h,
assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h,
assembler-x64.cc, assembler-x64.h, assembler-mips-inl.h,
assembler-mips.cc, assembler-mips.h, assembler.cc and assembler.h.
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- Valgrind client API header, located at third_party/valgrind/valgrind.h
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1.1281 jackson-databind 2.9.9.3
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* /opt/cola/permits/1138169183_1614268306.2/bson-4.0.4-sources-jar/org/bson/codecs/pojo/IdPropertyModelHolder.java
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1.1286 jruby-complete 9.2.7.0

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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.

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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which the executable runs, unless that component itself accompanies the executable.

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  jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
* /opt/cola/permits/1136220825_1613710197.6/0/spring-core-5-1-8-release-sources-2-
  jar/org/springframework/core/convert/support/ObjectToStringConverter.java
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  jar/org/springframework/core/MethodParameter.java
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* /opt/ws_local/PERMITS_SQL/1045561892_1599247900.68/0/log4j-over-slf4j-1-7-23-sources-jar/org/apache/log4j/Logger.java
* /opt/ws_local/PERMITS_SQL/1045561892_1599247900.68/0/log4j-over-slf4j-1-7-23-sources-jar/org/apache/log4j/Layout.java
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* /opt/ws_local/PERMITS_SQL/1045561892_1599247900.68/0/log4j-over-slf4j-1-7-23-sources-jar/org/apache/log4j/LogManager.java
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jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/timeout/TimeoutException.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/ssl/SslHandler.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/stream/LogLevel.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
jar/io/netty/handler/ssl/util/package-info.java

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* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-jar/io/netty/handler/ssl/JsContextBuilder.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-jar/io/netty/handler/ssl/ClientAuth.java

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  jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslITlv13XS509ExtendedTrustManager.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1075319509_1596106859.86/0/netty-handler-4-1-35-final-sources-2-
  jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java

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*/
1.1298 kubernetes 1.18.18

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```go
package types

import "time"

// FeatureType store features types
type FeatureType string

const (  
  // HA means High Availability
  HA = FeatureType("HA")
)
```
// DEV means developer licence
DEV = FeatureType("DEV")
// TRIAL means trial licence
TRIAL = FeatureType("TRIAL")
}

// Licence holds the information to be encoded in the licence key. It needs to be synced across
// the django server running on portal-API as well as the corresponding decoding package on the
// storageOS control plane
type Licence struct {
    ArrayUUID    string               `json:"arrayUUID,omitempty"
    ClusterID    string               `json:"clusterID,omitempty"
    CustomerID   string               `json:"customerID"
    CustomerName string               `json:"customerName"
    Storage      int                  `json:"storage"
    ValidUntil   time.Time            `json:"validUntil"
    LicenceType  string               `json:"licenceType"
    Features     map[FeatureType]bool `json:"features"
    Unregistered bool                 `json:"unregistered"
}

// LicenceKeyContainer - stores a licence key
type LicenceKeyContainer struct {
    Key string `json:"key"
}

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package spec

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//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL string `json:"url,omitempty"
}
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf("Plugin "%v"`, n.Plugin)
    } else {
        s += fmt.Sprintf("Option "%v" in plugin "%v"`, n.Option, n.Plugin)
    }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in "+ n.Version + "."
    } else if n.Severity == newdefault {
        s += "is added as a default in " + n.Version + "."
    } else {
        s += "is " + n.Severity + " in " + n.Version + "."
    }
    if n.ReplacedBy != "" {
        s += fmt.Sprintf(" It is replaced by ", n.ReplacedBy)
    }
    if n.Additional != "" {
        s += " " + n.Additional
    }
    return s
}

const {
    // The following statuses are used to indicate the state of support/deprecation in a given release.
    deprecated = "deprecated" // deprecated, but still completely functional
    ignored     = "ignored" // if included in the corefile, it will be ignored by CoreDNS
    removed     = "removed" // completely removed from CoreDNS, and would cause CoreDNS to exit if present in
the Corefile
newdefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.

unsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
all = "all" // show all statuses

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{% endpanel %}

{% panel style="info", title="TL;DR" %}
- Copy files to and from Containers in a cluster
{% endpanel %}

# Copying Container Files

## Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

{% panel style="warning", title="Install Tar" %}
Copy requires that *tar* be installed in the container image.
{% endpanel %}

{% method %}
## Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `\<path\>`
- Remote file format is `\<pod-name>:\<path\>`

{% sample lang="yaml" %}
```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```{%- endmethod %}

{% method %}
## Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `\<path\>`
- Remote file format is `\<pod-name>:\<path\>`

{% sample lang="yaml" %}
```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```{%- endmethod %}

{% method %}
## Specify the Container

Specify the Container within a Pod running multiple containers.

- `-c <container-name>`

{% sample lang="yaml" %}
```bash
```{%- endmethod %}

---
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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class package storageos

```go
import (  
    "encoding/json"

    "github.com/storageos/go-api/types"
)
```
const {
// licenceAPIPrefix is a partial path to the HTTP endpoint.
licenceAPIPrefix = "licencing"
}

// Licence returns the current licence on the server.
func (c *Client) Licence() (*types.Licence, error) {
    resp, err := c.do("GET", licenceAPIPrefix, doOptions{}}
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    licence := &types.Licence{ }
    if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {
        return nil, err
    }
    return licence, nil
}

// LicenceApply applies a licence on the server.
func (c *Client) LicenceApply(licenceKey string) error {
    _, err := c.do("POST", licenceAPIPrefix, doOptions{
        data: &types.LicenceKeyContainer{Key: licenceKey},
    })
    return err
}

// LicenceDelete removes the current licence.
func (c *Client) LicenceDelete() error {
    resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{}}
    if err != nil {
        return err
    }
    return resp.Body.Close()
}

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package simulator

import(
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
}
Properties: []types.KeyAnyValue{
               
    Key: "feature",
    Value: types.KeyValue{
    Key:   "serialuri:2",
    Value: "Remote virtual Serial Port Concentrator",
               
               
    Key: "feature",
    Value: types.KeyValue{
    Key:   "dvs",
    Value: "vSphere Distributed Switch",
               
               


}


type LicenseManager struct {
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{ },
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{


LicenseKey: req.LicenseKey,
Labels:  req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{
    }
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
            return body
        }
    }

    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{
    }

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels {
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
                } else {
                    label.Value = req.LabelValue
                }
                return body
            }
        }
    }
}
license.Labels = append(license.Labels, types.KeyValue{
Key:   req.LabelKey,
Value: req.LabelValue,
})

return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body
}

type LicenseAssignmentManager struct {
mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
body := &methods.QueryAssignedLicensesBody{
Res: &types.QueryAssignedLicensesResponse{,
}

// EntityId can be a HostSystem or the vCenter InstanceUuid
if req.EntityId != "" {
if req.EntityId != Map.content().About.InstanceUuid {
id := types.ManagedObjectReference{
  Type: "HostSystem",
  Value: req.EntityId,
}
if Map.Get(id) == nil {
  return body
}
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
  {
    EntityId: req.EntityId,
    AssignedLicense: EvalLicense,
  },
}

return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo { info := EvalLicense
info-LicenseKey = key
info.Labels = labels

return info
}

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= vendor/golang.org/x/xerrors/LICENSE a413d6b3884e141783f23d00d5838777

procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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--- 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

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- 
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Theodore Ts'o
23-June-2007

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.
Note that it is possible for a library to be covered by the ordinary
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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Ty Coon, President of Vice

That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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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) \

---

Open Source Used In Cisco Auto Inline Retuner 2.1.0 15287
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

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

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Gadi Oxman, August 1995

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1.1306 elasticsearch-x-content 7.2.0

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1.1307 rubyzip 1.2.2

1.1307.1 Available under license :

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#!/usr/bin/env ruby

$VERBOSE = true

require 'rubyunit'
require 'zip'
include Zip

Dir.chdir "test"

class AbstractInputStreamTest < RUNIT::TestCase
  # AbstractInputStream subclass that provides a read method

  TEST_LINES = [ "Hello world#{$/}",
                 "this is the second line#{$/}",
                 "this is the last line"
  ]
  TEST_STRING = TEST_LINES.join

  define_method :read do |
    return TEST_LINES[-1] + $/ if $options[:verbose]
    return nil
  end

end

AbstractInputStreamTest.run

class ZipInputStreamTest < RUNIT::TestCase
  # ZipInputStream subclass that provides a read method

  TEST_LINES = [ "Hello world#{$/}",
                 "this is the second line#{$/}",
                 "this is the last line"
  ]
  TEST_STRING = TEST_LINES.join

  define_method :read do |
    return TEST_LINES[-1] + $/ if $options[:verbose]
    return nil
  end

end

ZipInputStreamTest.run

Open Source Used In Cisco Auto Inline Retuner 2.1.0 15300
class TestAbstractInputStream
  include AbstractInputStream
  def initialize(aString)
    @contents = aString
    @readPointer = 0
  end

  def read(charsToRead)
    retVal=@contents[@readPointer, charsToRead]
    @readPointer+=charsToRead
    return retVal
  end

  def produceInput
    read(100)
  end

  def inputFinished?
    @contents[@readPointer] == nil
  end
end

def setup
  @io = TestAbstractInputStream.new(TEST_STRING)
end

def test_gets
  assert_equals(TEST_LINES[0], @io.gets)
  assert_equals(TEST_LINES[1], @io.gets)
  assert_equals(TEST_LINES[2], @io.gets)
  assert_equals(nil, @io.gets)
end

def test_getsMultiCharSeparator
  assert_equals("Hell", @io.gets("ll"))
  assert_equals("o world#$\$$\$ this is the second l", @io.gets("d l"))
end

def test_each_line
  lineNumber=0
  @io.each_line {
    line
      assert_equals(TEST_LINES[lineNumber], line)
    lineNumber+=1
  }
end

def test_readlines
```ruby
assert_equals(TEST_LINES, @io.readlines)
end

def test_readline
test_gets
begin
    @io.readline
    fail "EOFError expected"
    rescue EOFError
end
end

class ZipEntryTest < RUNIT::TestCase
TEST_ZIPFILE = "someZipFile.zip"
TEST_COMMENT = "a comment"
TEST_COMPRESSED_SIZE = 1234
TEST_CRC = 325324
TEST_EXTRA = "Some data here"
TEST_COMPRESSIONMETHOD = ZipEntry::DEFLATED
TEST_NAME = "entry name"
TEST_SIZE = 8432
TEST_ISDIRECTORY = false

def test_constructorAndGetters
    entry = ZipEntry.new(TEST_ZIPFILE, TEST_NAME, TEST_COMMENT, TEST_EXTRA, TEST_COMPRESSED_SIZE, TEST_CRC, TEST_COMPRESSIONMETHOD, TEST_NAME)
    assert_equals(TEST_COMMENT, entry.comment)
    assert_equals(TEST_COMPRESSED_SIZE, entry.compressedSize)
    assert_equals(TEST_CRC, entry.crc)
    assert_equals(TEST_EXTRA, entry.extra)
    assert_equals(TEST_COMPRESSIONMETHOD, entry.compressionMethod)
    assert_equals(TEST_NAME, entry.name)
    assert_equals(TEST_SIZE, entry.size)
    assert_equals(TEST_ISDIRECTORY, entry.isDirectory)
end

def test_equality
    entry1 = ZipEntry.new("file.zip", "name", "isNotCompared", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
    assert_equals(entry1, entry)
end
```

entry2 = ZipEntry.new("file.zip", "name", "isNotComparedXXX", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
entry3 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 123, 1234, ZipEntry::DEFLATED, 10000)
entry4 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 1234, ZipEntry::DEFLATED, 10000)
entry5 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::DEFLATED, 10000)
entry6 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::DEFLATED, 10000)
entry7 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)
entry8 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)

assert_equals(entry1, entry1)
assert_equals(entry1, entry2)

assert(entry2 != entry3)
assert(entry3 != entry4)
assert(entry4 != entry5)
assert(entry5 != entry6)
assert(entry6 != entry7)
assert(entry7 != entry8)

assert(entry7 != "hello")
assert(entry7 != 12)
end
end

module IOizeString
attr_reader :tell

def read(count = nil)
  @tell ||= 0
  count = size unless count
  retVal = slice(@tell, count)
  @tell += count
  return retVal
end

---

Open Source Used In Cisco Auto Inline Retuner 2.1.0 15303
def seek(index, offset)
  @tell ||= 0
  case offset
  when IO::SEEK_END
    newPos = size + index
  when IO::SEEK_SET
    newPos = index
  when IO::SEEK_CUR
    newPos = @tell + index
  else
    raise "Error in test method IOizeString::seek"
  end
  if (newPos < 0 || newPos >= size)
    raise Errno::EINVAL
  else
    @tell=newPos
  end
end

def reset
  @tell = 0
end
end

class ZipLocalEntryTest < RUNIT::TestCase
  def test_readLocalEntryHeaderOfFirstTestZipEntry
    File.open(TestZipFile::TEST_ZIP3.zipName) { |file|
      entry = ZipEntry.readLocalEntry(file)

      assert_equal("", entry.comment)
      # Differs from windows and unix because of CR LF
      # assert_equal(480, entry.compressedSize)
      # assert_equal(0x2a27930f, entry.crc)
      # extra field is 21 bytes long
      # probably contains some unix attrutes or something
      # disabled: assert_equal(nil, entry.extra)
      assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
      assert_equal(TestZipFile::TEST_ZIP3.entryNames[0], entry.name)
      assert_equal(File.size(TestZipFile::TEST_ZIP3.entryNames[0]), entry.size)
      assert(! entry.isDirectory)
    }
  end
end

def test_readLocalEntryFromNonZipFile
  File.open("ziptest.rb") { |file|
    assert_equalitys(nil, ZipEntry.readLocalEntry(file))
def test_readLocalEntryFromTruncatedZipFile
    zipFragment=""
    File.open(TestZipFile::TEST_ZIP2.zipName) { |f| zipFragment = f.read(12) } # local header is at least 30 bytes
    entry = ZipEntry.new
    entry.readLocalEntry(zipFragment)
    fail "ZipError expected"
rescue ZipError
end

def test_writeEntry
    entry = ZipEntry.new("file.zip", "entryName", "my little comment",
"thisIsSomeExtraInformation", 100, 987654,
ZipEntry::DEFLATED, 400)
    writeToFile("localEntryHeader.bin", "centralEntryHeader.bin", entry)
    entryReadLocal, entryReadCentral = readFromFile("localEntryHeader.bin", "centralEntryHeader.bin")
    compareLocalEntryHeaders(entry, entryReadLocal)
    compareCDirEntryHeaders(entry, entryReadCentral)
end

private

def compareLocalEntryHeaders(entry1, entry2)
    assert_equals(entry1.compressedSize   , entry2.compressedSize)
    assert_equals(entry1.crc              , entry2.crc)
    assert_equals(entry1.extra            , entry2.extra)
    assert_equals(entry1.compressionMethod, entry2.compressionMethod)
    assert_equals(entry1.name             , entry2.name)
    assert_equals(entry1.size             , entry2.size)
    assert_equals(entry1.localHeaderOffset, entry2.localHeaderOffset)
end

def compareCDirEntryHeaders(entry1, entry2)
    compareLocalEntryHeaders(entry1, entry2)
    assert_equals(entry1.comment, entry2.comment)
end

def writeToFile(localFileName, centralFileName, entry)
    File.open(localFileName, "wb") { |f| entry.writeLocalEntry(f) }
    File.open(centralFileName, "wb") { |f| entry.writeCDirEntry(f) }
end

def readFromFile(localFileName, centralFileName)
    localEntry = nil
    cdirEntry  = nil
    File.open(localFileName, "rb") { |f| localEntry = ZipEntry.readLocalEntry(f) }
    return localEntry
end
File.open(centralFileName, "rb") { |f| cdirEntry = ZipEntry.readCDirEntry(f) }
return [localEntry, cdirEntry]
end
end

module DecompressorTests
# expects @refText and @decompressor
def test_readEverything
  assert_equals(@refText, @decompressor.read)
end
def test_readInChunks
  chunkSize = 5
  while (decompressedChunk = @decompressor.read(chunkSize))
    assert_equals(@refText.slice!(0, chunkSize), decompressedChunk)
  end
  assert_equals(0, @refText.size)
end
end

class InflaterTest < RUNIT::TestCase
  include DecompressorTests
  def setup
    @file = File.new("file1.txt.deflatedData", "rb")
    @refText=""
    File.open("file1.txt") { |f| @refText = f.read }  
    @decompressor = Inflater.new(@file)
  end
  def teardown
    @file.close
  end
end

class PassThruDecompressorTest < RUNIT::TestCase
  include DecompressorTests
  TEST_FILE="file1.txt"
  def setup
    @file = File.new(TEST_FILE)
    @refText=""
    File.open(TEST_FILE) { |f| @refText = f.read }  
    @decompressor = PassThruDecompressor.new(@file, File.size(TEST_FILE))
  end
end
def teardown
    @file.close
end
end

module AssertEntry
    def assertNextEntry(filename, zis)
        assertEntry(filename, zis, zis.getNextEntry.name)
    end

    def assertEntry(filename, zis, entryName)
        assert_equals(filename, entryName)
        assertEntryContentsForStream(filename, zis, entryName)
    end

    def assertEntryContentsForStream(filename, zis, entryName)
        File.open(filename, "rb") do |file|
            expected = file.read
            actual   = zis.read
            if (expected != actual)
                if (expected.length > 400 || actual.length > 400)
                    zipEntryFilename=entryName+.zipEntry
                    File.open(zipEntryFilename, "wb") do |file|
                        file << actual
                    end
                    fail("File '#{filename}' is different from '#{zipEntryFilename}'")
                else
                    assert_equals(expected, actual)
                end
            end
        end
    end

    def AssertEntry.assertContents(filename, aString)
        fileContents = ""
        File.open(filename, "rb") do |f|
            fileContents = f.read
        end
        if (fileContents != aString)
            if (expected.length > 400 || actual.length > 400)
                stringFile = filename + ".other"
                File.open(stringFile, "wb") do |f|
                    f << aString
                end
                fail("File '#{filename}' is different from contents of string stored in '#{stringFile}'")
            else
                assert_equals(expected, actual)
            end
        end
    end

    def assertStreamContents(zis, testZipFile)
def test_new
    zis = ZipInputStream.new(TestZipFile::TEST_ZIP2.zipName)
    assertStreamContents(zis, TestZipFile::TEST_ZIP2)
    zis.close
end

def test_openWithBlock
    ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) {
        |zis|
        assertStreamContents(zis, TestZipFile::TEST_ZIP2)
    }
end

def test_openWithoutBlock
    zis = ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName)
    assertStreamContents(zis, TestZipFile::TEST_ZIP2)
end

def test_incompleteReads
    ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) {
        assert(zis != nil)
        testZipFile.entryNames.each {
            |entryName|
            assertNextEntry(entryName, zis)
        }
        assert_equals(nil, zis.getNextEntry)
    end

def assertTestZipContents(testZipFile)
    ZipInputStream.open(testZipFile.zipName) {
        |zis|
        assertStreamContents(zis, testZipFile)
    }
end

def assertEntryContents(zipFile, entryName, filename = entryName.to_s)
    zis = zipFile.getInputStream(entryName)
    assertEntryContentsForStream(filename, zis, entryName)
    ensure
        zis.close if zis
    end
end

class ZipInputStreamTest < RUNIT::TestCase
    include AssertEntry

    def test_new
        zis = ZipInputStream.new(TestZipFile::TEST_ZIP2.zipName)
        assertStreamContents(zis, TestZipFile::TEST_ZIP2)
        zis.close
    end

    def test_openWithBlock
        ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) {
            |zis|
            assertStreamContents(zis, TestZipFile::TEST_ZIP2)
        }
    end

    def test_openWithoutBlock
        zis = ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName)
        assertStreamContents(zis, TestZipFile::TEST_ZIP2)
    end

    def test_incompleteReads
        ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) {
            |entryName|
            assertNextEntry(entryName, zis)
        }
        assert_equals(nil, zis.getNextEntry)
    end
end
entry = zis.getNextEntry
assert_equals(TestZipFile::TEST_ZIP2.entryNames[0], entry.name)
assert zis.gets.length > 0
entry = zis.getNextEntry
assert_equals(TestZipFile::TEST_ZIP2.entryNames[1], entry.name)
assert_equals(0, entry.size)
assert_equals(nil, zis.gets)
entry = zis.getNextEntry
assert_equals(TestZipFile::TEST_ZIP2.entryNames[2], entry.name)
assert zis.gets.length > 0
entry = zis.getNextEntry
assert_equals(TestZipFile::TEST_ZIP2.entryNames[3], entry.name)
assert zis.gets.length > 0
}
end

class TestFiles
  RANDOM_ASCII_FILE1  = "randomAscii1.txt"
  RANDOM_ASCII_FILE2  = "randomAscii2.txt"
  RANDOM_ASCII_FILE3  = "randomAscii3.txt"
  RANDOM_BINARY_FILE1 = "randomBinary1.bin"
  RANDOM_BINARY_FILE2 = "randomBinary2.bin"
  EMPTY_TEST_DIR      = "emptytestdir"

  ASCII_TEST_FILES  = [ RANDOM_ASCII_FILE1, RANDOM_ASCII_FILE2, RANDOM_ASCII_FILE3 ]
  BINARY_TEST_FILES = [ RANDOM_BINARY_FILE1, RANDOM_BINARY_FILE2 ]
  TEST_DIRECTORIES  = [ EMPTY_TEST_DIR ]
  TEST_FILES        = [ ASCII_TEST_FILES, BINARY_TEST_FILES, EMPTY_TEST_DIR ].flatten!

  def TestFiles.createTestFiles(recreate)
    if (recreate ||
    ! (TEST_FILES.inject(true) { |accum, element| accum && & File.exists?(element) })))
      ASCII_TEST_FILES.each_with_index {
        |filename, index|
        createRandomAscii(filename, 1E4 * (index+1))
      }
      BINARY_TEST_FILES.each_with_index {
        |filename, index|
        createRandomBinary(filename, 1E4 * (index+1))
      }
      ensureDir(EMPTY_TEST_DIR)
    end
  end
end
private
def TestFiles.createRandomAscii(filename, size)
    File.open(filename, "wb") {  
        |file|  
        while (file.tell < size)
        file << rand
    }  
end
def TestFiles.createRandomBinary(filename, size)
    File.open(filename, "wb") {  
        |file|  
        while (file.tell < size)
        file << rand.to_a.pack("V")
    }  
end
def TestFiles.ensureDir(name)
    if File.exists?(name)
        return if File.stat(name).directory?
        File.delete(name)
    end
    Dir.mkdir(name)
end

# For representation and creation of
# test data
class TestZipFile
    attr_accessor :zipName, :entryNames, :comment
    def initialize(zipName, entryNames, comment = "")
        @zipName=zipName
        @entryNames=entryNames
        @comment = comment
    end

    def TestZipFile.createTestZips(recreate)
        files = Dir.entries(".")
        if (recreate ||
        ! (files.index(TEST_ZIP1.zipName) &&
        files.index(TEST_ZIP2.zipName) &&

files.index(TEST ZIP3.zipName) &&
files.index(TEST ZIP4.zipName) &&
files.index("empty.txt") &&
files.index("short.txt") &&
files.index("longAscii.txt") &&
files.index("longBinary.bin") ))
raise "failed to create test zip '#{TEST ZIP1.zipName}'" unless
system("zip #{TEST ZIP1.zipName} ziptest.rb")
raise "failed to remove entry from '#{TEST ZIP1.zipName}'" unless
system("zip #{TEST ZIP1.zipName} -d ziptest.rb")

File.open("empty.txt", "w") {}

File.open("short.txt", "w") { |file| file <<= "ABCDEF" }
ziptestTxt=""
File.open("ziptest.rb") { |file| ziptestTxt=file.read }
File.open("longAscii.txt", "w") {
|file|
while (file.tell < 1E5)
  file <<= ziptestTxt
end
}

testBinaryPattern=""
File.open("empty.zip") { |file| testBinaryPattern=file.read }
testBinaryPattern *= 4

File.open("longBinary.bin", "wb") {
|file|
while (file.tell < 3E5)
  file <<= testBinaryPattern << rand
end
}
raise "failed to create test zip '#{TEST ZIP2.zipName}'" unless
system("zip #{TEST ZIP2.zipName} #{TEST ZIP2.entryNames.join(’ ’)}")

# without bash system interprets everything after echo as parameters to
# echo including | zip -z ... 
raise "failed to add comment to test zip '#{TEST ZIP2.zipName}'" unless
system("bash -c ‘echo #{TEST ZIP2.comment} | zip -z #{TEST ZIP2.zipName}\’’")

raise "failed to create test zip '#{TEST ZIP3.zipName}'" unless
system("zip #{TEST ZIP3.zipName} #{TEST ZIP3.entryNames.join(’ ’)}")

raise "failed to create test zip '#{TEST ZIP4.zipName}'" unless
system("zip #{TEST ZIP4.zipName} #{TEST ZIP4.entryNames.join(’ ’)}")
end
rescue

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raise $!.to_s +
"\n\nziptest.rb requires the Info-ZIP program 'zip' in the path\n" +
"to create test data. If you don't have it you can download\n" +
"the necessary test files at http://sf.net/projects/rubyzip."
end

TEST_ZIP1 = TestZipFile.new("empty.zip", [])
TEST_ZIP2 = TestZipFile.new("4entry.zip", %w{ longAscii.txt empty.txt short.txt longBinary.bin},
  "my zip comment")
TEST_ZIP3 = TestZipFile.new("test1.zip", %w{ file1.txt })
TEST_ZIP4 = TestZipFile.new("zipWithDir.zip", [ "file1.txt", TestFiles::EMPTY_TEST_DIR])
end

class AbstractOutputStreamTest < RUNIT::TestCase
  class TestOutputStream
    include AbstractOutputStream

    attr_accessor :buffer

    def initialize
      @buffer = ""
    end

    def << (data)
      @buffer << data
      self
    end
  end

  def setup
    @outputStream = TestOutputStream.new

    @origCommaSep = $,
    @origOutputSep = $\n  end

  def teardown
    $, = @origCommaSep
    $\ = @origOutputSep
  end

  def test_write
    count = @outputStream.write("a little string")
    assert_equal("a little string", @outputStream.buffer)
    assert_equal("a little string".length, count)
count = @outputStream.write("a little more")
assert_equals("a little string. a little more", @outputStream.buffer)
assert_equals("a little more".length, count)
end

def test_print
  $\ = nil # record separator set to nil
  @outputStream.print("hello")
  assert_equals("hello", @outputStream.buffer)

  @outputStream.print(" world.")
  assert_equals("hello world.", @outputStream.buffer)

  @outputStream.print(" You ok ", " out ", "there?")
  assert_equals("hello world. You ok out there?", @outputStream.buffer)

  $\ = "\n"
  @outputStream.print
  assert_equals("hello world. You ok out there?\n", @outputStream.buffer)

  @outputStream.print("I sure hope so!")
  assert_equals("hello world. You ok out there?\nI sure hope so!\n", @outputStream.buffer)

  $, = "X"
  @outputStream.buffer = ""
  @outputStream.print("monkey", "duck", "zebra")
  assert_equals("monkeyXduckXzebra\n", @outputStream.buffer)

  $\ = nil
  @outputStream.buffer = ""
  @outputStream.print(20)
  assert_equals("20", @outputStream.buffer)
end

def test_printf
  @outputStream.printf("%d %04x", 123, 123)
  assert_equals("123 007b", @outputStream.buffer)
end

def test_putc
  @outputStream.putc("A")
  assert_equals("A", @outputStream.buffer)
  @outputStream.putc(65)
  assert_equals("AA", @outputStream.buffer)
end

def test_puts
  @outputStream.puts
assert_equals("\n", @outputStream.buffer)

@outputStream.puts("hello", "world")
assert_equals("\nhello\nworld\n", @outputStream.buffer)

@outputStream.buffer = ""
@outputStream.puts("hello\n", "world\n")
assert_equals("hello\nworld\n", @outputStream.buffer)

@outputStream.buffer = ""
@outputStream.puts(["hello\n", "world\n"])
assert_equals("hello\nworld\n", @outputStream.buffer)

@outputStream.buffer = ""
@outputStream.puts(["hello\n", "world\n"], "bingo")
assert_equals("hello\nworld\nbingo\n", @outputStream.buffer)

@outputStream.buffer = ""
@outputStream.puts(16, 20, 50, "hello")
assert_equals("16\n20\n50\nhello\n", @outputStream.buffer)
end

module CrcTest
def runCrcTest(compressorClass)
str = "Here's a nice little text to compute the crc for! Ho hum, it is nice nice nice nice indeed."
fakeOut = AbstractOutputStreamTest::TestOutputStream.new

deflater = compressorClass.new(fakeOut)
deflater << str
assert_equals(0x919920fc, deflater.crc)
end
end

class PassThruCompressorTest < RUNIT::TestCase
include CrcTest

def test_size
File.open("dummy.txt", "wb") { |
|file|
compressor = PassThruCompressor.new(file)

assert_equals(0, compressor.size)

t1 = "hello world"
t2 = ""
t3 = "bingo"

compressor << t1
assert_equals(compressor.size, t1.size)

compressor << t2
assert_equals(compressor.size, t1.size + t2.size)

compressor << t3
assert_equals(compressor.size, t1.size + t2.size + t3.size)
}
end

def test_crc
  runCrcTest(PassThruCompressor)
end
end

class DeflaterTest < RUNIT::TestCase
  include CrcTest

  def test_outputOperator
    txt = loadFile("ziptest.rb")
    deflate(txt, "deflatertest.bin")
    inflatedTxt = inflate("deflatertest.bin")
    assert_equals(txt, inflatedTxt)
  end

  private
  def loadFile(fileName)
    txt = nil
    File.open(fileName, "rb") { |f| txt = f.read }
  end

  def deflate(data, fileName)
    File.open(fileName, "wb") { |file|
      deflater = Deflater.new(file)
      deflater << data
      deflater.finish
      assert_equals(deflater.size, data.size)
      file << "trailing data for zlib with -MAX_WBITS"
    }
  end

  def inflate(fileName)
    txt = nil
File.open(fileName, "rb") {
  file
  inflater = Inflater.new(file)
  txt = inflater.read
}
end

def test_crc
  runCrcTest(Deflater)
end
end

class ZipOutputStreamTest < RUNIT::TestCase
  include AssertEntry

  TEST_ZIP = TestZipFile::TEST_ZIP2.clone
  TEST_ZIP.zipName = "output.zip"

  def test_new
    zos = ZipOutputStream.new(TEST_ZIP.zipName)
    zos.comment = TEST_ZIP.comment
    writeTestZip(zos)
    zos.close
    assertTestZipContents(TEST_ZIP)
  end

  def test_open
    ZipOutputStream.open(TEST_ZIP.zipName) {
      zos
      zos.comment = TEST_ZIP.comment
      writeTestZip(zos)
    }
    assertTestZipContents(TEST_ZIP)
  end

  def test_writingToClosedStream
    assertIOErrorInClosedStream { |zos| zos << "hello world" }
    assertIOErrorInClosedStream { |zos| zos.puts "hello world" }
    assertIOErrorInClosedStream { |zos| zos.write "hello world" }
  end

  def test_cannotOpenFile
    name = TestFiles::EMPTY_TEST_DIR
    begin
      zos = ZipOutputStream.open(name)
      rescue Exception
        assert($!.kind_of?(Errno::EISDIR) || # Linux
        $!.kind_of?(Errno::EEXIST) || # Windows/cygwin
        $!.kind_of?(Errno::ENOENT) || # Mac
        $!.kind_of?(Errno::EACCES) || # Linux
        $!.kind_of?(Errno::EOWNERERROR) || # Mac
        $!.kind_of?(Errno::EFAULT) || # Windows
        $!.kind_of?(Errno::EINVAL) })
    end
  end

  def test_read
    zos = ZipOutputStream.open(TEST_ZIP.zipName) {
      zos
      zos.comment = TEST_ZIP.comment
      writeTestZip(zos)
    }
    contents = readTestZip(zos)
    contents
  end

  def test_setComment
    zos = ZipOutputStream.new(TEST_ZIP.zipName)
    zos.setComment(TEST_ZIP.comment)
    assert zos.comment == TEST_ZIP.comment
  end
end

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$!.kind_of?(Errno::EACCES),  # Windows
  "Expected Errno::EISDIR (or on win/cygwin: Errno::EEXIST), but was: #{$!.type}"
end
end

def assertIOErrorInClosedStream
  assert_exception(IOError) {
    zos = ZipOutputStream.new("test_putOnClosedStream.zip")
    zos.close
    yield zos
  }
end

def writeTestZip(zos)
  TEST_ZIP.entryNames.each {
    |entryName|
    zos.putNextEntry(entryName)
    File.open(entryName, "rb") { |f| zos.write(f.read) }
  }
end
end

module Enumerable
  def compareEnumerables(otherEnumerable)
    otherAsArray = otherEnumerable.to_a
    index=0
    each_with_index {
      |element, index|
      return false unless yield(element, otherAsArray[index])
    }
    return index+1 == otherAsArray.size
  end
end

class ZipCentralDirectoryEntryTest < RUNIT::TestCase
  def test_readFromStream
    file = File.open("testDirectory.bin", "rb") {
      |file|
      entry = ZipEntry.readCDirEntry(file)
    }
    assert_equal("longAscii.txt", entry.name)
    assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
    assert_equal(106490, entry.size)
    assert_equal(3784, entry.compressedSize)
  end
end
assert_equal(0xfcd1799c, entry.crc)
assert_equal("", entry.comment)

entry = ZipEntry.readCDirEntry(file)
assert_equal("empty.txt", entry.name)
assert_equal(ZipEntry::STORED, entry.compressionMethod)
assert_equal(0, entry.size)
assert_equal(0, entry.compressedSize)
assert_equal(0x0, entry.crc)
assert_equal("", entry.comment)

entry = ZipEntry.readCDirEntry(file)
assert_equal("short.txt", entry.name)
assert_equal(ZipEntry::STORED, entry.compressionMethod)
assert_equal(6, entry.size)
assert_equal(6, entry.compressedSize)
assert_equal(0xbb76fe69, entry.crc)
assert_equal("", entry.comment)

entry = ZipEntry.readCDirEntry(file)
assert_equal("longBinary.bin", entry.name)
assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
assert_equal(1000024, entry.size)
assert_equal(70847, entry.compressedSize)
assert_equal(0x10da7d59, entry.crc)
assert_equal("", entry.comment)

entry = ZipEntry.readCDirEntry(file)
assert_equal(nil, entry)

# Fields that are not check by this test:
#          version made by                 2 bytes
#          version needed to extract       2 bytes
#          general purpose bit flag        2 bytes
#          last mod file time              2 bytes
#          last mod file date              2 bytes
#          compressed size                 4 bytes
#          uncompressed size               4 bytes
#          disk number start               2 bytes
#          internal file attributes        2 bytes
#          external file attributes        4 bytes
#          relative offset of local header 4 bytes
#
#          file name (variable size)
#          extra field (variable size)
#          file comment (variable size)
def test_ReadEntryFromTruncatedZipFile
  fragment=""
  File.open("testDirectory.bin") { |f| fragment = f.read(12) } # cdir entry header is at least 46 bytes
  fragment.extend(IOizeString)
  entry = ZipEntry.new
  entry.readCDirEntry(fragment)
  fail "ZipError expected"
rescue ZipError
end

class ZipCentralDirectoryTest < RUNIT::TestCase

  def test_readFromStream
    File.open(TestZipFile::TEST_ZIP2.zipName, "rb") { |
      zipFile
        cdir = ZipCentralDirectory.readFromStream(zipFile)
        assert_equals(TestZipFile::TEST_ZIP2.entryNames.size, cdir.size)
        assert(cdir.compareEnumerables(TestZipFile::TEST_ZIP2.entryNames) { |
          cdirEntry, testEntryName
          cdirEntry.name == testEntryName
        })
        assert_equals(TestZipFile::TEST_ZIP2.comment, cdir.comment)
      }
    end

  def test_readFromInvalidStream
    File.open("ziptest.rb", "rb") { |
      zipFile
        cdir = ZipCentralDirectory.new
        cdir.readFromStream(zipFile)
        fail "ZipError expected!"
      rescue ZipError
    end

  def test_ReadFromTruncatedZipFile
    fragment=""
    File.open("testDirectory.bin") { |f| fragment = f.read } # removed part of first cdir entry. eocd structure still complete
    fragment.slice!(12)
    fragment.extend(IOizeString)
    entry = ZipCentralDirectory.new
    entry.readFromStream(fragment)
    fail "ZipError expected"
rescue ZipError
end
def test_writeToStream
  entries = [ZipEntry.new("file.zip", "flimse", "myComment", "somethingExtra"),
             ZipEntry.new("file.zip", "secondEntryName"),
             ZipEntry.new("file.zip", "lastEntry.txt", "Has a comment too") ]
  cdir = ZipCentralDirectory.new(entries, "my zip comment")
  File.open("cdirtest.bin", "wb") { |f| cdir.writeToStream(f) }
  cdirReadback = ZipCentralDirectory.new
  File.open("cdirtest.bin", "rb") { |f| cdirReadback.readFromStream(f) }
  assert_equals(cdir.entries, cdirReadback.entries)
end

def test_equality
  cdir1 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                 "somethingExtra"),
                                 ZipEntry.new("file.zip", "secondEntryName"),
                                 ZipEntry.new("file.zip", "lastEntry.txt") ],
                                 "my zip comment")
  cdir2 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                 "somethingExtra"),
                                 ZipEntry.new("file.zip", "secondEntryName"),
                                 ZipEntry.new("file.zip", "lastEntry.txt") ],
                                 "my zip comment")
  cdir3 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                 "somethingExtra"),
                                 ZipEntry.new("file.zip", "secondEntryName"),
                                 ZipEntry.new("file.zip", "lastEntry.txt") ],
                                 "comment?")
  cdir4 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                 "somethingExtra"),
                                 ZipEntry.new("file.zip", "lastEntry.txt") ],
                                 "comment?")
  assert_equals(cdir1, cdir1)
  assert_equals(cdir1, cdir2)
  assert(cdir1 !=  cdir3)
  assert(cdir2 !=  cdir3)
  assert(cdir2 !=  cdir3)
  assert(cdir3 !=  cdir4)
  assert(cdir3 !=  "hello")
end

class BasicZipFileTest < RUNIT::TestCase
include AssertEntry

def setup
  @zipFile = ZipFile.new(TestZipFile::TEST_ZIP2.zipName)
  @testEntryNameIndex=0
end

def nextTestEntryName
  retVal=TestZipFile::TEST_ZIP2.entryNames[@testEntryNameIndex]
  @testEntryNameIndex+=1
  return retVal
end

def test_entries
  assert_equals(TestZipFile::TEST_ZIP2.entryNames, @zipFile.entries.map { |e| e.name } )
end

def test_each
  @zipFile.each { |
    entry|
    assert_equals(nextTestEntryName, entry.name)
  } 
  assert_equals(4, @testEntryNameIndex)
end

def test_foreach
  ZipFile.foreach(TestZipFile::TEST_ZIP2.zipName) { |
    entry|
    assert_equals(nextTestEntryName, entry.name)
  } 
  assert_equals(4, @testEntryNameIndex)
end

def test_getInputStream
  @zipFile.each { |
    entry|
    assertEntry(nextTestEntryName, @zipFile.getInputStream(entry),
    entry.name)
  } 
  assert_equals(4, @testEntryNameIndex)
end

def test_getInputStreamBlock
  fileAndEntryName = @zipFile.entries.first.name
  @zipFile.getInputStream(fileAndEntryName) { |
    zis|
    assertEntryContentsForStream(fileAndEntryName, 
    zis,
class CommonZipFileFixture < RUNIT::TestCase
  include AssertEntry

  EMPTY_FILENAME = "emptyZipFile.zip"

  TEST_ZIP = TestZipFile::TEST_ZIP2.clone
  TEST_ZIP.zipName = "4entry_copy.zip"

  def setup
    File.delete(EMPTY_FILENAME) if File.exists?(EMPTY_FILENAME)
    File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)
  end
end

class ZipFileTest < CommonZipFileFixture

  def test_createFromScratch
    comment  = "a short comment"

    zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
    zf.comment = comment
    zf.close

    zfRead = ZipFile.new(EMPTY_FILENAME)
    assert_equals(comment, zfRead.comment)
    assert_equals(0, zfRead.entries.length)
  end

  def test_add
    srcFile   = "ziptest.rb"
    entryName = "newEntryName.rb"
    assert(File.exists? srcFile)
    zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
    zf.add(entryName, srcFile)
    zf.close

    zfRead = ZipFile.new(EMPTY_FILENAME)
    assert_equals(0, zfRead.entries.length)
    assert_equals(entryName, zfRead.entries.first.name)
    AssertEntry.assertContents(srcFile, zfRead.getInputStream(entryName) { |zis| zis.read })
  end
end
def test_addExistingEntryName
  assert_exception(ZipEntryExistsError) {
    ZipFile.open(TEST_ZIP.zipName) {
      zf
      zf.add(zf.entries.first.name, "ziptest.rb")
    }
  }
end

def test_addExistingEntryNameReplace
  gotCalled = false
  replacedEntry = nil
  ZipFile.open(TEST_ZIP.zipName) {
    zf
    replacedEntry = zf.entries.first.name
    zf.add(replacedEntry, "ziptest.rb") { gotCalled = true; true }
  }
  assert(gotCalled)
  ZipFile.open(TEST_ZIP.zipName) {
    zf
    assertContains(zf, replacedEntry, "ziptest.rb")
  }
end

def test_addDirectory
  ZipFile.open(TEST_ZIP.zipName) {
    zf
    zf.add(TestFiles::EMPTY_TEST_DIR, TestFiles::EMPTY_TEST_DIR)
  }
  ZipFile.open(TEST_ZIP.zipName) {
    zf
    dirEntry = zf.entries.detect { |e| e.name == TestFiles::EMPTY_TEST_DIR+"/" }
    assert(dirEntry.isDirectory)
  }
end

def test_remove
  entryToRemove, *remainingEntries = TEST_ZIP.entryNames

  File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)

  zf = ZipFile.new(TEST_ZIP.zipName)
  assert(zf.entries.map { |e| e.name }.include?(entryToRemove))
  zf.remove(entryToRemove)
  assert(! zf.entries.map { |e| e.name }.include?(entryToRemove))
  assert_equals(zf.entries.map { |x| x.name }.sort, remainingEntries.sort)
  zf.close
zfRead = ZipFile.new( TEST_ZIP.zipName )
assert( !zfRead.entries.map { |e| e.name }.include?( entryToRemove ) )
assert_equals( zfRead.entries.map { |x| x.name }.sort, remainingEntries.sort )
zfRead.close
end

def test_rename
  entryToRename, *remainingEntries = TEST_ZIP.entryNames

  zf = ZipFile.new( TEST_ZIP.zipName )
  assert( zf.entries.map { |e| e.name }.include? entryToRename )

  newName = "changed name"
  assert( !zf.entries.map { |e| e.name }.include?( newName ) )

  zf.rename( entryToRename, newName )
  assert( zf.entries.map { |e| e.name }.include? newName )

  zf.close

  zfRead = ZipFile.new( TEST_ZIP.zipName )
  assert( zfRead.entries.map { |e| e.name }.include? newName )
  zfRead.close
end

def test_renameToExistingEntry
  oldEntries = nil
  ZipFile.open( TEST_ZIP.zipName ) { |zf| oldEntries = zf.entries }  

  assert_exception( ZipEntryExistsError ) {  
    ZipFile.open( TEST_ZIP.zipName ) { 
      [zf]
      zf.rename( zf.entries[0], zf.entries[1].name )
    }
  }

  ZipFile.open( TEST_ZIP.zipName ) { 
    [zf]
    assert_equals( oldEntries.map { |e| e.name }, zf.entries.map { |e| e.name } )
  }
end

def test_renameToExistingEntryOverwrite
  oldEntries = nil
  ZipFile.open( TEST_ZIP.zipName ) { |zf| oldEntries = zf.entries }
gotCalled = false
ZipFile.open(TEST_ZIP.zipName) {
  [zf]
  zf.rename(zf.entries[0], zf.entries[1].name) { gotCalled = true; true }
}

assert(gotCalled)
oldEntries.delete_at(0)
ZipFile.open(TEST_ZIP.zipName) {
  [zf]
  assert_equal(oldEntries.map{ |e| e.name },
              zf.entries.map{ |e| e.name })
}
end

def test_renameNonEntry
  nonEntry = "bogusEntry"
targetEntry = "targetEntryName"
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert(! zf.entries.include?(nonEntry))
  assert_exception(ZipNoSuchEntryError) {
    zf.rename(nonEntry, targetEntry)
  }
  zf.commit
  assert(! zf.entries.include?(targetEntry))
ensure
  zf.close
end

def test_renameEntryToExistingEntry
  entry1, entry2, *remaining = TEST_ZIP.entryNames
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert_exception(ZipEntryExistsError) {
    zf.rename(entry1, entry2)
  }
ensure
  zf.close
end

def test_replace
  unchangedEntries = TEST_ZIP.entryNames.dup
  entryToReplace = unchangedEntries.delete_at(2)
  newEntrySrcFilename = "ziptest.rb"
  zf = ZipFile.new(TEST_ZIP.zipName)
  zf.replace(entryToReplace, newEntrySrcFilename)
  zf.close
zfRead = ZipFile.new(TEST_ZIP.zipName)
AssertEntry::assertContents(newEntrySrcFilename,
zfRead.getInputStream(entryToReplace) { |is| is.read })
zfRead.close
end

def test_replaceNonEntry
  entryToReplace = "nonExistingEntryname"
  ZipFile.open(TEST_ZIP.zipName) {
    zf
      assert exception(ZipNoSuchEntryError) {
        zf.replace(entryToReplace, "ziptest.rb")
      }
  }
end

def test_commit
  newName = "renamedFirst"
  zf = ZipFile.new(TEST_ZIP.zipName)
  oldName = zf.entries.first
  zf.rename(oldName, newName)
  zf.commit

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  assert zfRead.entries.detect { |e| e.name == newName } != nil
  assert zfRead.entries.detect { |e| e.name == oldName } == nil
  zfRead.close
end

  # This test tests that after commit, you
  # can delete the file you used to add the entry to the zip file
  # with
  def test_commitUseZipEntry
    File.copy(TestFiles::RANDOM_ASCII_FILE1, "okToDelete.txt")
    zf = ZipFile.open(TEST_ZIP.zipName)
    zf.add("okToDelete.txt", "okToDelete.txt")
    assertContains(zf, "okToDelete.txt")
    zf.commit
    File.move("okToDelete.txt", "okToDeleteMoved.txt")
    assertContains(zf, "okToDelete.txt", "okToDeleteMoved.txt")
  end

  # def test_close
  # zf = ZipFile.new(TEST_ZIP.zipName)
  # zf.close
# assert_exception(IOError) {
#   zf.extract(TEST_ZIP.entryNames.first, "hullubullu")
# }
# end

def test_compound1
    renamedName = "renamedName"
    originalEntries = []
    begin
        zf = ZipFile.new(TEST_ZIP.zipName)
        originalEntries = zf.entries.dup

        assertNotContains(zf, TestFiles::RANDOM_ASCII_FILE1)
        zf.add(TestFiles::RANDOM_ASCII_FILE1, TestFiles::RANDOM_ASCII_FILE1)
        assertContains(zf, TestFiles::RANDOM_ASCII_FILE1)
        zf.rename(zf.entries[0], renamedName)
        assertContains(zf, renamedName)
        TestFiles::BINARY_TEST_FILES.each { |filename|
            zf.add(filename, filename)
            assertContains(zf, filename)
        }
        assertContains(zf, originalEntries.last.to_s)
        zf.remove(originalEntries.last.to_s)
        assertNotContains(zf, originalEntries.last.to_s)

        ensure
            zf.close
        end
    begin
        zfRead = ZipFile.new(TEST_ZIP.zipName)
        assertContains(zfRead, TestFiles::RANDOM.ASCII_FILE1)
        assertContains(zfRead, renamedName)
        TestFiles::BINARY_TEST_FILES.each { |filename|
            assertContains(zfRead, filename)
        }
        assertNotContains(zfRead, originalEntries.last.to_s)

        ensure
            zfRead.close
        end
    end

def test_compound2
begin
zf = ZipFile.new(TEST_ZIP.zipName)
originalEntries = zf.entries.dup

originalEntries.each {
|entry|
zf.remove(entry)
assertNotContains(zf, entry)
}
assert(zf.entries.empty?)

TestFiles::ASCII_TEST_FILES.each {
|filename|
zf.add(filename, filename)
assertContains(zf, filename)
}
assert equals(zf.entries.map { |e| e.name }, TestFiles::ASCII_TEST_FILES)

zf.rename(TestFiles::ASCII_TEST_FILES[0], "newName")
assertNotContains(zf, TestFiles::ASCII_TEST_FILES[0])
assertContains(zf, "newName")
ensure
zf.close
end
begin
zfRead = ZipFile.new(TEST_ZIP.zipName)
asciiTestFiles = TestFiles::ASCII_TEST_FILES.dup
asciiTestFiles.shift
asciiTestFiles.each {
|filename|
assertContains(zf, filename)
}
assertContains(zf, "newName")
ensure
zfRead.close
end
end

private
def assertContains(zf, entryName, filename = entryName)
assert(zf.entries.detect { |e| e.name == entryName } != nil, "entry #{entryName} not in #{zf.entries.join(', ')} in zip file #{zf}"
assertEntryContents(zf, entryName, filename) if File.exists?(filename)
end

def assertNotContains(zf, entryName)
assert(zf.entries.detect { |e| e.name == entryName } == nil, "entry #{entryName} in #{zf.entries.join(', ')} in zip
class ZipFileExtractTest < CommonZipFileFixture
  EXTRACTED_FILENAME = "extEntry"
  ENTRY_TO_EXTRACT, *REMAINING_ENTRIES = TEST_ZIP.entryNames.reverse

  def setup
    super
    File.delete(EXTRACTED_FILENAME) if File.exists?(EXTRACTED_FILENAME)
  end

  def test_extract
    ZipFile.open(TEST_ZIP.zipName) { |zf|
      zf.extract(ENTRY_TO_EXTRACT, EXTRACTED_FILENAME)
      assert(File.exists? EXTRACTED_FILENAME)
      AssertEntry::assertContents(EXTRACTED_FILENAME, zf.getInputStream(ENTRY_TO_EXTRACT) { |is| is.read })
    }
  end

  def test_extractExists
    writtenText = "written text"
    File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }
    assert_exception(ZipDestinationFileExistsError) { 
      ZipFile.open(TEST_ZIP.zipName) { |zf|
        zf.extract(zf.entries.first, EXTRACTED_FILENAME)
      } }
    File.open(EXTRACTED_FILENAME, "r") { |
      f|
      assert_equals(writtenText, f.read)
    }
  end

  def test_extractExistsOverwrite
    writtenText = "written text"
    File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }
    gotCalled = false
    ZipFile.open(TEST_ZIP.zipName) { |zf|
      zf.extract(zf.entries.first, EXTRACTED_FILENAME) { gotCalled = true; true }
    }
  end

  def test_extractAsTrash
    ZipFile.open(TEST_ZIP.zipName) { |zf|
      zf.extract(ENTRY_TO_EXTRACT, EXTRACTED_FILENAME)
    }
    assert(File.exists?(EXTRACTED_FILENAME))
    AssertEntry::assertContents(EXTRACTED_FILENAME, zf.getInputStream(ENTRY_TO_EXTRACT) { |is| is.read })
  end

  def test_extractInTrash
    writtenText = "written text"
    File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }
    ZipFile.open(TEST_ZIP.zipName) { |zf|
      zf.extract(ENTRY_TO_EXTRACT, EXTRACTED_FILENAME)
    }
    assert(File.exists?(EXTRACTED_FILENAME))
    AssertEntry::assertContents(EXTRACTED_FILENAME, zf.getInputStream(ENTRY_TO_EXTRACT) { |is| is.read })
  end

end
assert(gotCalled)
File.open(EXTRACTED_FILENAME, "r") {
  f
  assert(writtenText != f.read)
}
end

def test_extractNonEntry
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert_exception(ZipNoSuchEntryError) { zf.extract("nonExistingEntry", "nonExistingEntry") }
ensure
  zf.close if zf
end

def test_extractNonEntry2
  outFile = "outfile"
  assert_exception(ZipNoSuchEntryError) {
    zf = ZipFile.new(TEST_ZIP.zipName)
    nonEntry = "hotdog-diddleedoo"
    assert(! zf.entries.include?(nonEntry))
    zf.extract(nonEntry, outFile)
    zf.close
  }
  assert(! File.exists?(outFile))
end

class ZipFileExtractDirectoryTest < CommonZipFileFixture
  TEST_OUT_NAME = "emptyOutDir"

def openZip(&aProc)
  assert(aProc != nil)
  ZipFile.open(TestZipFile::TEST_ZIP4.zipName, &aProc)
end

def extractTestDir(&aProc)
  openZip {
    zf
    zf.extract(TestFiles::EMPTY_TEST_DIR, TEST_OUT_NAME, &aProc)
  }
end

def setup
  super
Dir.rmdir(TEST_OUT_NAME) if File.directory? TEST_OUT_NAME
File.delete(TEST_OUT_NAME) if File.exists? TEST_OUT_NAME
end

def test_extractDirectory
  extractTestDir
  assert(File.directory? TEST_OUT_NAME)
end

def test_extractDirectoryExistsAsDir
  Dir.mkdir TEST_OUT_NAME
  extractTestDir
  assert(File.directory? TEST_OUT_NAME)
end

def test_extractDirectoryExistsAsFile
  File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
  assert_exception(ZipDestinationFileExistsError) { extractTestDir }
end

def test_extractDirectoryExistsAsFileOverwrite
  File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
  gotCalled = false
  extractTestDir { |entry, destPath|
    gotCalled = true
    assert_equal(entry.isDirectory)
    true
  }
  assert(gotCalled)
  assert(File.directory? TEST_OUT_NAME)
end
end

TestFiles::createTestFiles(ARGV.index("recreate") != nil ||
  ARGV.index("recreateonly") != nil)
TestZipFile::createTestZips(ARGV.index("recreate") != nil ||
  ARGV.index("recreateonly") != nil)
exit if ARGV.index("recreateonly") != nil

#require 'runit/cui/testrunner'
#RUNIT::CUI::TestRunner.run(ZipFileTest.suite)

# Copyright (C) 2002 Thomas Sondergaard
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210f35a/test/data/file2.txt

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210f35a/lib/zip/crypto/null_encryption.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/samples/example_filesystem.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/extra_field.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/null_compressor.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/streamable_directory.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/crypto/encryption.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/file.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/entry_set.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/filesystem.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/entry.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/output_stream.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-
210f35a/lib/zip/input_stream.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/inflater.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/compressor.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/crypto/traditional_encryption.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/null_input_stream.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/ioextras.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/decompressor.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/deflater.rb
* /opt/cola/permits/1166535513_1621437968.99/0/rubyzip-rubyzip-v1-2-2-0-gd07b13a-tar-gz/rubyzip-rubyzip-210f35a/lib/zip/central_directory.rb

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# Path Traversal Samples


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1.1308 audit 2.8.5 4.el7
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/internal/tcnative/SSL.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/internal/tcnative/SSLContext.java
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*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionDecoder.java
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2FrameTypes.java
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jar/io/netty/handler/codec/http2/Http2Connection.java
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jar/io/netty/handler/codec/http2/Http2DataWriter.java
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2EventAdapter.java
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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jar/io/netty/util/internal/ObjectUtil.java
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/collection/CharObjectHashMap.java
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jar/io/netty/handler/codec/http2/Http2FrameWriter.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/memcache/binary/package-info.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/helloWorld/frame/client/Http2ClientFrameFrameResponseHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/helloWorld/frame/client/Http2FrameClient.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/helloWorld/frame/client/Http2ClientFrameInitializer.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/search/MultiSearchProcessor.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheRequest.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/memcache/MemcacheMessage.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/rxtx/RxtxClient.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/rxtx/RxtxClientHandler.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/socks/SocksAuthScheme.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/http/FullHttpMessage.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/spdy/HeaderBlockRawEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/handler/codec/http/HttpClientProtocolHandshakeHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/channel/group/ChannelMatchers.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/util/Recycler.java
jar/io/netty/handler/codec/http/WebSocketClientProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheResponse.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/example/http/helloworld/HttpHelloWorldServerHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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jar/io/netty/util/concurrent/GenericFutureListener.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/socks/SocksCmdStatus.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/socket/io/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http/ChannelProgressiveFuture.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerBase.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http/websocketx/server/WebSocketFrameHandler.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http/multipart/package-info.java
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* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/kqueue/AcceptFilter.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/concurrent/PromiseCombiner.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/kqueue/KQueueChannelOption.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/unix/ErrorsSaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/logging/Log4J2Logger.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/DomainNameMappingBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_159893444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2GoAwayFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/resolver/dns/TraceDnsQueryLifeCycleObserverFactory.java
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jar/io/netty/util/internal/PriorityQueue.java
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jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http/ReadOnlyHttpHeaders.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
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/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/ocsp/OcspUtils.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/ocsp/OcspClientExample.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/ocsp/Digester.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/ocsp/OcspServerExample.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources.jar/io/netty/example/ocsp/OcspRequestBuilder.java

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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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  jar/io/netty/handler/codec/sctp/package-info.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/traffic/package-info.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java

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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}.
 *
 * <h3>Sub-types</h3>
 *
 * { @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>{ @link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li>{ @link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 *
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>{ @link ChannelInboundHandlerAdapter} to handle inbound I/O events, </li>
 */
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
*
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information (using [@link AttributeKey]s) which is specific to the handler.
* *
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*   // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*   *
*   <b>private boolean loggedIn;</b>
*   *
*   { @code @Override
*   public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*     if (message instanceof LoginMessage) {
*       authenticate((LoginMessage) message);
*       <b>loggedIn = true;</b>
*     } else (message instanceof GetDataMessage) {
*       if (<b>loggedIn</b>) {
*         ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*       } else {
*         fail();
*       }
*     }
*   }
* }
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
* </pre>

* <h4>Using {@link AttributeKey}s</h4>

* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* { {@link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
*     private final {@link AttributeKey}<{@link Boolean}> auth =
*           {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
* 
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         AttributeKey attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {

    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

The `@Sharable` annotation

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation. If a `ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `ChannelPipeline`'s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

Additional resources worth reading

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/scp/io/NioSctpChannel.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/websocketx/WebSocket13FrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/IpAddressAndPort.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/epoll/EpollMode.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/dns/DnsServerAddressStream.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/hand…
jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2HandlerBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http/ClientCookieDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/pool/ChannelPool.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/cookie/ServerCookieDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http2/tiles/HttpServer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http2/tiles/ImageCache.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/concurrent/ThreadProperties.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/UnsafeByteBufferUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderPacker.java
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<table>
<thead>
<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-</td>
<td>hostsFileEntriesResolver.java</td>
</tr>
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<td>errors.java</td>
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<td>rtspEncoder.java</td>
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<td>cookieUtil.java</td>
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<td>dnsResponse.java</td>
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<td>ssl/ApplicationProtocolNames.java</td>
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<td>dnsOpCode.java</td>
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<td>dnsRecordDecoder.java</td>
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<td>datagramQueryDecoder.java</td>
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<td>DatagramSocketAddress.java</td>
</tr>
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<td>DatagramSocketChannel.java</td>
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<tr>
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<td>epollDomainSocketChannel.java</td>
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</tr>
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<td>buffer/PoolChunkMetric.java</td>
</tr>
<tr>
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<td>package-info.java</td>
</tr>
</tbody>
</table>

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jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/DomainMappingBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/unsupported/UnsupportedValueConverter.java

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*/
/**
 * A decoder that splits the received ByteBufs dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * 
 * [LengthFieldBasedFrameDecoder] has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * ch3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is 12 (0x0C) which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <pre>
 * |lengthFieldOffset| lengthFieldLength| lengthAdjustment| initialBytesToStrip|
 * |<b>0</b>|<b>2</b>|<b>0</b>|<b>0</b>|  (= do not strip header)
 *
 * BEFORE DECODE (14 bytes) | AFTER DECODE (14 bytes)
 * +-------------------------------+-------------------------------+
 * | Length | Actual Content | Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" | 0x000C | "HELLO, WORLD" |
 * +-------------------------------+-------------------------------+
 * </pre>
 *
 * ch3>2 bytes length field at offset 0, strip header</h3>
 *
 * Because we can get the length of the content by calling
 * ByteBuf#readableBytes(), you might want to strip the length
 * field by specifying lengthFieldOffset(). In this example, we
* specified `<tt>2</tt>`, that is same with the length of the length field, to
* strip the first two bytes.
* `<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* `<b>initialBytesToStrip</b> = `<b>2</b>` (= the length of the Length field)
* `</pre>`
* `BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)`
* `| Length | Actual Content [-----] Actual Content ]`
* `| `<b>0x000C</b> | "HELLO, WORLD" | | "HELLO, WORLD" |`
* `</pre>`
* `<h3>2 bytes length field at offset 0, do not strip header, the length field`
* `represents the length of the whole message</h3>`
* `In most cases, the length field represents the length of the message body`
* `only, as shown in the previous examples. However, in some protocols, the`
* `length field represents the length of the whole message, including the`
* `message header. In such a case, we specify a non-zero`
* `<tt>lengthAdjustment</tt>`. Because the length value in this example message`
* is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
* as `<tt>lengthAdjustment</tt>` for compensation.
* `<pre>`
* `lengthFieldOffset   = `<b>2</b>` (= the length of Header 1)
* `lengthFieldLength   = `<b>3</b>`
* `lengthAdjustment    = 0`
* `</pre>`
* `<h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>`
* `The following message is a simple variation of the first example. An extra`
* `header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero`
* `again because the decoder always takes the length of the prepended data into`
* `account during frame length calculation.`
* `<pre>`
* `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
* `<b>lengthFieldLength</b> = `<b>3</b>`
* `lengthAdjustment   = 0`
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)

* +------------------+-+------------------+-
* | Header 1 | Length | Actual Content |----->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |      | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +------------------+-+------------------+-

* </pre>

* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.

* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)

* +------------------+-+------------------+-
* | Length | Header 1 | Actual Content |----->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |      | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +------------------+-+------------------+-

* </pre>

* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.

* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

* +-----+-+-------+-+------------------+-
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field, the length field
represents the length of the whole message.

Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into lengthAdjustment.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.

lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
+-------------------+-------------------+
| HDR1 | Length | HDR2 | Actual Content |
| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |
+-------------------+-------------------+

@see LengthFieldPrepender

Found in path(s):
/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java
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 */

// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/HttpConversionUtil.java
No license file was found, but licenses were detected in source scan.

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/socket/nio/NioChannelOption.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/unix/Buffer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/AuthorityDnsServerCache.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DirContextUtils.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DnsCnameCache.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DirContextUtils.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/unix/Buffer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/unix/Buffer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
1.1314 micro 3.1.10

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// Based on powerman/rpc-codec:
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package jsonrpc2

1.1315 aopalliance-repackaged 2.5.0

1.1316 joda-time 2.10.2
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1.1317 jmespath 1.4.0

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```
public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");
```

Found in path(s):
* /opt/cola/permits/1142800344_1615477363.75/0/bctls-jdk15on-1-61-sources-2.jar/org/bouncycastle/tls/ProtocolName.java

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1.1320 jersey-apache-client 1.19.1

1.1321 angle

461d9a3060e315706c74d1203ed945a600a1a2

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1.1323 logstash-output-pipe 3.0.6

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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1.1328 jackson-module-parameter-names
2.9.9

1.1329 httpcomponents-client 4.5.5
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Julian Seward, jseward@bzip.org
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abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>,"
built requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
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    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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#!/perl

=head1 NAME
=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /
copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

1.1331 gmp 6.0.0+dfsg-6
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  jar/org/bson/codecs/BsonBinaryCodec.java
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* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/types/BSONTimestamp.java
* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson codecs/BsonRegularExpressionCodec.java
* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson/json/StrictJsonWriter.java
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* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson/codecs/jsr310/Jsr310CodecProvider.java
* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson/codecs/jsr310/InstantCodec.java
* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson/codecs/jsr310/LocalTimeCodec.java
* /opt/cola/permits/1136290403_1613729671.65/0/bson-3-8-2-sources-1.jar/org/bson/codecs/jsr310/LocalDateCodec.java

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1.1336 spring-boot-starter-logging

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* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/internal/readiness/Readiness.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/internal/PatchUtils.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/WatchAndWaitable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/V1beta1ApiextensionAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/V2beta1AutoscalingAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Listable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/ExecListenable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Readable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Deleteable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Ternarlie.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/TerminateTimeTailPrettyLoggable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Triggitable.java
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* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/ApixmapensionsAPIGroupExtensionAdapter.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Tailable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Readiable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/V1beta1EventingAPIGroupClient.java
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* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/v1beta1/SchedulingAPIGroupClient.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/v1beta1/DiscoveryAPIGroupClient.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/osgi/ManagedKubernetesClient.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/utils/DeleteAndCreateHelper.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/V1beta1DiscoveryAPIGroupClient.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/BatchAPIGroupClient.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/MultiDeleteable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/utils/ReflectUtils.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Filterable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/Config.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/V1beta1EventingAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/StorageAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/ClientAware.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/AuthorizationAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Timeoutable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/informers/EventType.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/Handlers.java
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* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/ExtensionsAPIGroupDSL.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Containerable.java
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* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/dsl/Scaleable.java
* /opt/cola/permits/1178503950_1625670394.59/0/kubernetes-client-5-3-0-sources-jar/io/fabric8/kubernetes/client/V1beta1CertificatesAPIGroupExtensionAdapter.java
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io.fabric8.kubernetes.client.AdmissionRegistrationAPIGroupExtensionAdapter
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io.fabric8.kubernetes.client.V1beta1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V2beta1AutoscalingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.SchedulingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1SchedulingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1SchedulingAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1ApiextensionsAPIGroupExtensionAdapter
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io.fabric8.kubernetes.client.URLFromEnvVarsImpl  
io.fabric8.kubernetes.client.URLFromIngressImpl  
io.fabric8.kubernetes.client.URLFromNodePortImpl
1.1346 springfox-schema 2.9.2

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  jar/springfox/documentation/schema/TypeNameExtractor.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/property/ObjectMapperBeanPropertyNamingStrategy.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/ModelNameContext.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/DefaultGenericTypeNamingStrategy.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/DefaultModelDependencyProvider.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/DefaultModelProvider.java
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  jar/springfox/documentation/schema/property/FactoryMethodProvider.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/plugins/SchemaPluginsManager.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/Annotations.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/CodeGenGenericTypeNamingStrategy.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/configuration/ModelsConfiguration.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/property/bean/Accessors.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/property/field/FieldModelProperty.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/property/BaseModelProperty.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/CachingModelProvider.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/ResolvedTypes.java
* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-
  jar/springfox/documentation/schema/property/bean/BeanModelProperty.java
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* /opt/cola/permits/1177939656_1625570693.96/0/springfox-schema-2-9-2-sources-3-jar/springfox/documentation/schema/JaxbPresentInClassPathCondition.java

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1.1356 x-text v0.3.3

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1.1361 pcre 8.42

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<li>Megan Woods &lt;meganwoods@#064:sekurafail.com&gt; - initial implementation of ECIES.</li>
<li>Christian Geuer-Pollmann &lt;geuerp@#064:apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.</li>
<li>Michael M&amp;#252;hle &lt;michael@#064:mouling.de&gt; - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.</li>
<li>Michael Mansell &lt;me@#064:michaelmansell.com&gt; - fixing the parsing of the empty DER set in the ASN.1 library.</li>
<li>Eike Recker &lt;eike.recker@gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.</li>
<li>Chris Southern &lt;CSouthern@#064:baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.</li>
<li>Sidney Markowitz &lt;sidney@#064:sidney.com&gt; - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.</li>
<li>Chris Kerr &lt;ckerr@#064:filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction. We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.</li>
<li>Martin Petraschek &lt;e9526225@#064:student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.</li>
<li>Jess Garms &lt;jgarms@#064:yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.</li>
<li>Mike Bean &lt;mbean@#064:lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.</li>
<li>Martin Petraschek &lt;e9526225@#064:student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.</li>
<li>Jess Garms &lt;jgarms@#064:yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.</li>
<li>Mike Bremford &lt;mike@#064:big.faceless.org&gt; - contributing the initial PKCS7 implementation.</li>
<li>Shankar Srinivasan &lt;ssr002@#064:yahoo.com&gt; - S/Mime interoperability testing and debugging.</li>
<li>Stef Hoeben &lt;ilstestef@#064:skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.</li>
<li>Klaudiusz Ciosk &lt;kciokos@#064:max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.</li>
<li>Thomas Houtekier &lt;Thomas.Houtekier@#064:tectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.</li>
<li>Don Hillsberry &lt;hillsber@#064:dialcorp.com&gt; - S/Mime testing and debugging.</li>
<li>Kazuo Furuya &lt; kfuruya@#064:infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key
store.</li>
<li>Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the openSSL PEM processing.</li>
<li>Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.</li>
<li>John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.</li>
<li>Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.</li>
<li>John Serock &lt;jserock@#064;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.</li>
<li>Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.</li>
<li>Andre Wehnert &lt;aw5@#064;mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.</li>
<li>Luigi Lo Iacono &lt;lo_iacono@#064;nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.</li>
<li>Tim Sakach &lt;tsakach@certivo.net&gt; - SMIME v2 compatibility patches.</li>
<li>Sebastian Clauß &lt;sc2@inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.</li>
<li>Nicolas Bielza &lt;nicolas.bielza@#064;alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.</li>
<li>Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.</li>
<li>Elmar Sonnenschein &lt;eso@#064;esomail.de&gt; - fix to long conversion in clean room SecureRandom.</li>
<li>Johann Seland &lt;joohans@#064;netfonds.no&gt; - general toString for BigInteger class.</li>
<li>Johannes Nicolai &lt;johannes.nicolai@#064;novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Marc Doberva &lt;marc.doberva@#064;ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.</li>
<li>Jan Dvorak &lt;jan.dvorak@#064;mathan.cz&gt; - initial implementation of the lightweight Null block cipher.
Joe Cohen &lt;jcohen@064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.

Chris Long &lt;aclong@064ece.cmu.edu&gt; - adding public key decoding to PEMReader.

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

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

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

Chris Long &lt;aclong@064ece.cmu.edu&gt; - adding public key decoding to PEMReader.

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

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

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

Klaus Greve Fiorentini &lt;Klaus@064eqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.

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

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

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

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

Jonathan Edwards &lt;j34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.

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

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

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

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

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

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

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

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

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

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

Michael Hausler &lt;haeusler@064ponton-consulting.de&gt; - extra aliases for provider.

Sai Pullabhotla &lt;psai@064linoma.com&gt; - fix to PGP compressed data generator to improve compression.
levels. Performance improvements for KeyBasedLargeFileProcessor.

- addition of ZeroBytePadding.

- patch to explicit padded mode for CBC block cipher MAC.

- The Signed and Encrypted mail example.

- patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

- patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

- patch to fix overread issue in BCPGInputStream.

- addition of ZeroBytePadding.

- patch to explicit padded mode for CBC block cipher MAC.

- patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGPSignatureGenerator, initial cut for indefinite length output.

- public key ring patches for ElGamal Signatures, problem key ring data.

- infinite loop prevention patch to PKCSS2ParametersGenerator.

- spelling patch in provider.

- compatibility patch to SignaturePacket, DetachedSignatureProcessor.

- patch to ordered equality test for X509Name.

- patch to add sorting to CertPath validation.

- patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

- patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

- “223” fix for BCPGInputStream new packets.

- initial implementation.

- initial implementation.

- initial Mozilla PublicKeyAndChallenge classes.

- initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the EGEE project for making the work available.

- initial implementation of Attribute Certificate generation.

- fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

- ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

- patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

- patch for class cast exception in AuthorityInformationAccess class.

- patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.
Steve Mitchell &lt;mitchell@intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;julienpasquier@64free.fr&gt; - initial implementation of attribute classes from RFC 3126.

Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@64libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@64burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@64intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo@64web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvamas@64gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@64tnux.net&gt; - addition of DES-IDE encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@64gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@64crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@embodify.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>Joel Rees &lt;rees@64ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@64partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;lbugbee@64mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@64keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian ORourke &lt;brianorourke@64gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@64cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-IDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@64transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@64hi ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
Lawrence Tan &lt;lwrnctan#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

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

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

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

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

Lawrence Tan &lt;lwrnctan#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.
Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info&#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;rojaquim&#064isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.

David Stacey &lt;DSacey&#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list&#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.

Olga K&auml;uuml;bler &lt;olga.kaelther&#064#064hpj-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&uuml;ria Mar&iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recoginition in CMSSignedDataParser.

Janis Schuller &lt;js&#064#064zi.de&gt; - addition of NotationData packets for OpenPGP.

Michael Samblanet &lt;mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.

Mike StJohns &lt;msjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.

Ramon Keller &lt;ramon.keller&#064#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov &lt;eugene_gff&#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.

Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp &lt;pknopp&#064#064mtg.de&gt; - fix for named curve recognition in ECGRST key generation.

Jakub Gwozdz &lt;gwozdziu&#064#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow&#064#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi&#064#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064om.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.

Andrey Pavlenko &lt;andrey.a.pavlenko&#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn&#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz&#064#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.

Gabriele Contini &lt;gcontini&#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEFs.

Roelof Naude &lt;roelof.naude&#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck&#064#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
<li>Michael LeMay &lt;lemaymd@lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre &lt;ale@#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].</li>
<li>Michael Schoene &lt;michael@#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.isValidate().</li>
<li>Ion Larrañaga &lt;ilarra@#064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@#064positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@#064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@#064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@#064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;tobbe79@#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bounceycastle_pf@gmail.com&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@#064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit &lt;cagdascirit@#064gmail.com&gt; - subjectAlternativeName fix for x.509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23@#064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</li>
<li>Paul FitzPatrick &lt;bounceycastle_pf@gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;job@#064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal.</li>
<li>Richard Farr &lt;r.farr.se@#064gmail.com&gt; - initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@#064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eromani@#064sigei.it&gt; - patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;r737lundgren@#064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@#064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@#064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat@#064yahoo.com&gt; - fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;rolf@#064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov &lt;alexart.home@#064gmail.com&gt; - name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;tmlyons@#064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@#064yahoo.com&gt; - identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek &lt;tom@#064atack.cz&gt; - added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@#064t-online.de&gt; - correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;ag@#064cryptography.com&gt; - addition of constant time equals to avoid possible timing attacks.</li>
Markus Kilårs &lt;markus@primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis@64@yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;m.smith@64cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio@64gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex@64birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant@64gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info@64frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan@64dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo@64bti internet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;matheis@64seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche@64gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfmal@64hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa@64insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo@64unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis@64ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociski &lt;J.Sikocinski@gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@64gmail.com&gt; JavaDoc fix to CMSSignedDataParser.

Liane Velten &lt;liane.velten@64hjpx-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden@64google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev@64gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@64keynectis.com&gt; initial cut of EAC classes.

Tim Buku &lt;tbuku@64hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Berte &lt;bernd@64gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Ing Morisbak &lt;stein.inge.morisbak@64BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@64tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@64gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@64gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

Petr Petrov &lt;p.petrov@64bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@64gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson@64quest.com&gt; a further patches to deal with multiple providers and PEMReader.
Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth&#064WPECGLtYbVii8Rj6Y7Vz12Lvd2EUW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b&#064g@yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>
<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable 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/OpenBSD/BCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad&#064primekey.se&gt; patch for working arround JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d&#064gmail.com&gt; initial cut of DVCS classes.</li>
<li>Damian Kolasa &lt;fatfredyy&#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes&#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for
SRP6.</li>
<li>Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Roberto Tyley &lt;&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward&#064pdlabs.com&gt; code improvements to ASN1Boolean.</li>
<li>Alex Klyubin &lt;klyubin&#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;gsoc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter&#064tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli&lt;ehli&#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt&lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests</li>
<li>Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts&lt;aarts&#064riscure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer&lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Sriram&lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze&lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
<li>Martin Schaefer&lt;https://github.com/martinschaefer&gt; contributed a code-clean up patch.</li>
<li>Dstutz&lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich&lt; tobias.wich&#064cusec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens&lt;hauke&#064mehtens.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman&lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza&lt;jt.kapitza&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Ekund&lt;johan&#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>Nikosn&lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peter&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre&lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSObjectIdentifiers.</li>
<li>Thomas Belot&lt;thomas.belot&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce&lt;https://github.com/richdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS
API extension to support non-blocking usage.</li>

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

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

<li>Michael &lt;MSKnete@#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.</li>

<li>Tobias Wagner &lt;ttobias.wagner@#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>

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

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

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

<li>Jan Willem Janssen &lt;lj.w.janssen+bouncycastle@#064lxtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>

<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>

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

<li>Benoit Charles &lt;benoit.charles@#064opentrust.com&gt; Fix for IES data length check on decryption.</li>

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

<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>

<li>Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>

<li>Lukasz Deputat &lt;lukasz.deputat@#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>

<li>Justin Ludwing &lt;https://github.com/justinludwig&gt; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>

<li>André Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>

<li>Slawomir Jarawowski &lt;https://github.com/slavekjarawowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>

<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>

<li>William Glanton &lt;wglanton77@#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>

<li>Jeremy Vorak &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>

<li>Joseph Naegle &lt;jnaegle@#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>

<li>Andrew Bonventre &lt;https://github.com/andybons&gt; NullPointer patch for WNafUtil.</li>

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

<li>Gorka Irazoqui &lt;girazoki@wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>

<li>Joerg Senekowitsch &lt;joerg.senekowitsch@#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAKeyPublic.
Alexandr Krivoshta &lt;wipe@ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu@064samsung.com&gt; Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis@064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@064stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.

didosoft &lt;https://github.com/didosoft&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojis72@064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

eksson &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

Jminer &lt;https://github.com/Jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.

Scott Woodward &lt;scott@064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPNT bounds checking.

chris mccown &lt;0xchrismccown@064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patch for SM2 decrypt.

Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().

Armin Lunkeit, Michael Tautenhahn &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.

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

Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC
curves.</li>
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu&#064;gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier&#064;gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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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.)

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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a) Accompany the combined library with a copy of the same work
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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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LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
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<one line to give the library's name and a brief idea of what it does.>
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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!

1.1371 effective-tld-names 2020.03.12
1.1371.1 Available under license:

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

// This Source Code Form is subject to the terms of the Mozilla Public 
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// Please pull this list from, and only from https://publicsuffix.org/list/public_suffix_list.dat, 
// rather than any other VCS sites. Pulling from any other URL is not guaranteed to be supported.

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// ===BEGIN ICANN DOMAINS===

// ac : https://en.wikipedia.org/wiki/ac
ac
com.ac
edu.ac
gov.ac
net.ac
mil.ac
control.aero
council.aero
crew.aero
design.aero
dgca.aero
educator.aero
emergency.aero
engine.aero
engineer.aero
entertainment.aero
equipment.aero
exchange.aero
express.aero
federation.aero
flight.aero
freight.aero
fuel.aero
gliding.aero
government.aero
groundhandling.aero
group.aero
hanggliding.aero
homebuilt.aero
insurance.aero
journal.aero
journalist.aero
leasing.aero
logistics.aero
magazine.aero
maintenance.aero
media.aero
microlight.aero
modelling.aero
navigation.aero
parachuting.aero
paragliding.aero
passenger-association.aero
pilot.aero
press.aero
production.aero
recreation.aero
repbody.aero
res.aero
research.aero
rotorcraft.aero
safety.aero
scientist.aero
services.aero
show.aero
skydiving.aero
software.aero
student.aero
trader.aero
trading.aero
trainer.aero
union.aero
workinggroup.aero
works.aero

// af : http://www.nic.af/help.jsp
af
gov.af
com.af
org.af
net.af
edu.af

// ag : http://www.nic.ag/prices.htm
ag
com.ag
org.ag
net.ag
c.o.ag
nom.ag

// ai : http://nic.com.ai/
ai
off.ai
com.ai
net.ai
org.ai

al
com.al
edu.al
gov.al
mil.al
net.al
org.al

// am : https://www.amnic.net/policy/en/Policy_EN.pdf
am
c.o.am
com.am
commune.am
net.am
org.am

// http://www.dns.ao/REGISTR.DOC
ao
ed.ao
gv.ao
og.ao
coa.o
pb.ao
it.ao

aq

// ar : https://nic.ar/nic-argentina/normativa-vigente
ar
com.ar
edu.ar
gob.ar
gov.ar
int.ar
mil.ar
musica.ar
net.ar
org.ar
tur.ar

// Confirmed by registry <iana-questions@icann.org> 2008-06-18
arpa
e164.arpa
in-addr.arpa
ip6.arpa
iris.arpa
uri.arpa
urn.arpa

// as : https://en.wikipedia.org/wiki/.as
as
gov.as

asia

// at : https://en.wikipedia.org/wiki/.at
// Confirmed by registry <it@nic.at> 2008-06-17
at
ac.at
cg.at
gv.at
or.at

au
// 2LDs
com.au
net.au
org.au
edu.au
gov.au
asn.au
id.au
// Historic 2LDs (closed to new registration, but sites still exist)
info.au
conf.au
oz.au
act.au
nsw.au
nt.au
qld.au
sa.au
tas.au
vic.au
wa.au
// 3LDs
act.edu.au
catholic.edu.au
// eq.edu.au - Removed at the request of the Queensland Department of Education
nsw.edu.au
nt.edu.au
qld.edu.au
sa.edu.au
tas.edu.au
vic.edu.au
wa.edu.au
// act.gov.au  Bug 984824 - Removed at request of Greg Tankard
// nsw.gov.au  Bug 547985 - Removed at request of <Shae.Donelan@services.nsw.gov.au>
// nt.gov.au  Bug 940478 - Removed at request of Greg Connors <Greg.Connors@nt.gov.au>
qld.gov.au
sa.gov.au
tas.gov.au
vic.gov.au
// bd : https://en.wikipedia.org/wiki/bd
* .bd

// be : https://en.wikipedia.org/wiki/be
// Confirmed by registry <tech@dns.be> 2008-06-08
be
ac.be

// bf : https://en.wikipedia.org/wiki/bf
bf
gov.bf

bg
a.bg
b.bg
c.bg
d.bg
e.bg
f.bg
g.bg
h.bg
i.bg
j.bg
k.bg
l.bg
m.bg
n.bg
o.bg
p.bg
q.bg
r.bg
s.bg
t.bg
u.bg
v.bg
w.bg
x.bg
y.bg
z.bg
0.bg
1.bg
2.bg
3.bg
4.bg
5.bg
6.bg
7.bg
8.bg
9.bg

bh
com.bh
edu.bh
net.bh
org.bh
gov.bh

// http://whois.nic.bi/
bi
co.bi
com.bi
edu.bi
or.bi
org.bi

biz

bj
asso.bj
barreau.bj
gouv.bj

// bm : http://www.bermudanic.bm/dnr-text.txt
bm
com.bm
edu.bm
gov.bm
net.bm
org.bm

// bn : http://www.bnnic.bn/faqs
bn
com.bn
edu.bn
gov.bn
net.bn
org.bn

// bo : https://nic.bo/delegacion2015.php#h-1.10
bo
com.bo
dbu.edu.bo
gob.bo
int.bo
org.bo
net.bo
mil.bo
tv.bo
web.bo
// Social Domains
academia.bo
agro.bo
arte.bo
blog.bo
bolivia.bo
ciencia.bo
cooperativa.bo
democracia.bo
deporte.bo
ecolologia.bo
economia.bo
empresa.bo
indigena.bo
industria.bo
info.bo
medicina.bo
movimiento.bo
musica.bo
natural.bo
nombre.bo
noticias.bo
patria.bo
politica.bo
profesional.bo
plurinacional.bo
pueblo.bo
revista.bo
salud.bo
tecnologia.bo
tksat.bo
transporte.bo
wiki.bo

// br : http://registro.br/dominio/categoria.html
// Submitted by registry <fneves@registro.br>
br
9guacu.br
ac.gov.br
al.gov.br
am.gov.br
ap.gov.br
ba.gov.br
cf.gov.br
df.gov.br
es.gov.br
go.gov.br
ma.gov.br
mg.gov.br
ms.gov.br
mt.gov.br
pa.gov.br
pb.gov.br
pe.gov.br
pi.gov.br
pr.gov.br
rj.gov.br
rn.gov.br
ro.gov.br
rr.gov.br
rs.gov.br
sc.gov.br
se.gov.br
sp.gov.br
to.gov.br
gru.br
imb.br
ind.br
inf.br
jab.br
jampa.br
jdf.br
joinville.br
jor.br
jus.br
leg.br
lal.br
londrina.br
teo.br
teo.br
tmp.br
trd.br	
tur.br
tv.br
udi.br
vet.br
vix.br
vlog.br
wiki.br
zlg.br

// bs : http://www.nic.bs/rules.html
bs
com.bs
net.bs
org.bs
edu.bs
gov.bs

bt
com.bt
edu.bt
gov.bt
net.bt
org.bt

// bv : No registrations at this time.
// Submitted by registry <jarle@uninett.no>
bv

// http://www.gobin.info/domainname/bw.doc
// list of other 2nd level tlds ?
bw
co.bw
org.bw

// list of other 2nd level tlds ?
by
gov.by
mil.by

// Official information does not indicate that com.by is a reserved
// second-level domain, but it’s being used as one (see www.google.com.by and
// www.yahoo.com.by, for example), so we list it here for safety's sake.
com.by

// http://hoster.by/
of.by

// http://www.belizenic.bz/
bz
com.bz
net.bz
org.bz
edu.bz
gov.bz

ca
// ca geographical names
ab.ca
bc.ca
mb.ca
nb.ca
nf.ca
nl.ca
ns.ca
nt.ca
nu.ca
on.ca
pe.ca
qc.ca
sk.ca
yk.ca
// see also: http://registry.gc.ca/en/SubdomainFAQ
gc.ca

cat

cc

// see also: https://www.nic.cd/domain/insertDomain_2.jsp?act=1
cd
gov.cd

cf

cg

ch

ci
org.ci
or.ci
com.ci
co.ci
edu.ci
ed.ci
ac.ci
net.ci
go.ci
asso.ci
aroport.ci
int.ci
presse.ci
md.ci
gouv.ci

// ck : https://en.wikipedia.org/wiki/ck
*.ck
!www.ck

// cl : https://en.wikipedia.org/wiki/cl
cl
gov.cl
gob.cl
co.cl
mil.cl

// cm : https://en.wikipedia.org/wiki/cm plus bug 981927
cm
co.cm
com.cm
gov.cm
net.cm

// cn : https://en.wikipedia.org/wiki/cn
// Submitted by registry <tanyaling@cnnic.cn>
cn
ac.cn
com.cn
edu.cn
gov.cn
net.cn
org.cn
mil.cn
.cn
.cn

// cn geographic names
ah.cn
bj.cn
cq.cn
fj.cn
gd.cn
gs.cn
gz.cn
gx.cn
ha.cn
hb.cn
he.cn
hi.cn
hl.cn
hn.cn
jl.cn
js.cn
jx.cn
ln.cn
nm.cn
nx.cn
qh.cn
sc.cn
sd.cn
sh.cn
sn.cn
sx.cn
tj.cn
xj.cn
xz.cn
yn.cn
zj.cn
hk.cn
mo.cn
tw.cn

// co : https://en.wikipedia.org/wiki/co
// Submitted by registry <tecnico@uniandes.edu.co>
co
arts.co
com.co
edu.co
firm.co
gov.co
info.co
int.co
mil.co
net.co
nom.co
org.co
rec.co
web.co

com

coop

// cr : http://www.nic.cr/niccr_publico/showRegistroDominiosScreen.do
cre
cr
ac.cr
cr
cr
cr
cr
cr
cr
cr
sa.cr

cu
cu
cu
cu
cu
cu
gov.cu
gov.cu
inf.cu

cv
cv

// cw : http://www.una.cw/cw_registry/
// Confirmed by registry <registry@una.net> 2013-03-26
ce
cw
com.cw
edu.cw
net.cw
org.cw

// list of other 2nd level tlds?
 cx
gov.cx

// cy : http://www.nic.cy/
// Submitted by registry Panayiotou Fotia <cydns@ucy.ac.cy>
cy
ac.cy
biz.cy
com.cy
ekloges.cy
gov.cy
ltd.cy
name.cy
net.cy
org.cy
parliament.cy
press.cy
pro.cy
tm.cy

cz

// Confirmed by registry <ops@denic.de> (with technical
// reservations) 2008-07-01
de

dj

// Confirmed by registry <robert@dk-hostmaster.dk> 2008-06-17
dk

dm
com.dm
net.dm
org.dm
edu.dm
gov.dm
do
art.do
com.do
edu.do
gob.do
gov.do
mil.do
net.do
org.do
sld.do
web.do

dz
com.dz
org.dz
net.dz
gov.dz
edu.dz
asso.dz
pol.dz
art.dz

// ec : http://www.nic.ec/reg/paso1.asp
// Submitted by registry <vabboud@nic.ec>
ec
com.ec
info.ec
net.ec
fin.ec
k12.ec
med.ec
pro.ec
org.ec
edu.ec
gov.ec
gob.ec
mil.ec

edu

// ee : http://www.eenet.ee/EENet/dom_reeglid.html#lisa_B
ee
edu.ee
gov.ee
riik.ee
<table>
<thead>
<tr>
<th>Domain Extension</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lib.ee</td>
<td></td>
</tr>
<tr>
<td>med.ee</td>
<td></td>
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<tr>
<td>com.ee</td>
<td></td>
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<tr>
<td>pri.ee</td>
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<tr>
<td>aip.ee</td>
<td></td>
</tr>
<tr>
<td>org.ee</td>
<td></td>
</tr>
<tr>
<td>fie.ee</td>
<td></td>
</tr>
</tbody>
</table>

// eg: https://en.wikipedia.org/wiki/eg
- eg
- com.eg
- edu.eg
- eun.eg
- gov.eg
- mil.eg
- name.eg
- net.eg
- org.eg
- sci.eg

// er: https://en.wikipedia.org/wiki/er
- *.er

// es: https://www.nic.es/site_ingles/ingles/dominios/index.html
- es
- com.es
- nom.es
- org.es
- gob.es
- edu.es

// et: https://en.wikipedia.org/wiki/et
- et
- com.et
- gov.et
- org.et
- edu.et
- biz.et
- name.et
- info.et
- net.et

// eu: https://en.wikipedia.org/wiki.eu
- eu

- fi
// This domain is being phased out in favor of .ax. As there are still many
// domains under aland.fi, we still keep it on the list until aland.fi is
// completely removed.
// TODO: Check for updates (expected to be phased out around Q1/2009)
aland.fi

// fj : http://domains.fj/
// Submitted by registry <garth.miller@cocca.org.nz> 2020-02-11
fj
ac.fj
biz.fj
com.fj
gov.fj
info.fj
mil.fj
name.fj
net.fj
org.fj
pro.fj

*.fk

fm

fo

// fr : http://www.afnic.fr/
// domaines descriptifs :
fr
asso.fr
com.fr
gouv.fr
nom.fr
prd.fr
tm.fr
aeroport.fr
avocat.fr
avoues.fr
cci.fr
chambagri.fr
chirurgiens-dentistes.fr
experts-comptables.fr
geometre-expert.fr
greta.fr
huissier-justice.fr
medecin.fr
notaires.fr
pharmacien.fr
port.fr
veterinaire.fr

ga

// gb : This registry is effectively dormant
// Submitted by registry <Damien.Shaw@ja.net>
gb

gd

// ge : http://www.nic.net.ge/policy_en.pdf
ge
com.ge
edu.ge
gov.ge
org.ge
mil.ge
net.ge
pvt.ge

gf

// gg : http://www.channelisles.net/register-domains/
// Confirmed by registry <nigel@channelisles.net> 2013-11-28
gg
c.co.gg
net.gg
org.gg

// see also: http://www.nic.gh/reg_now.php
// Although domains directly at second level are not possible at the moment,
// they have been possible for some time and may come back.
gh
com.gh
edu.gh
gov.gh
org.gh
mil.gh
// gi : http://www.nic.gi/rules.html

// http://nic.gl

// gm : http://www.nic.gm/htmlpages%5Cgm-policy.htm

// gn : http://psg.com/dns/gn/gn.txt
// Submitted by registry <randy@psg.com>


// Submitted by registry <segred@ics.forth.gr>
gr
com.gr
edu.gr
net.gr
org.gr
gov.gr

gs

// gt : http://www.gt/politicas_de_registro.html
gt
com.gt
edu.gt
gob.gt
ind.gt
mil.gt
net.gt
org.gt

// University of Guam : https://www.uog.edu
// Submitted by uognoc@triton.uog.edu
gu
com.gu
edu.gu
gov.gu
guam.gu
info.gu
net.gu
org.gu
web.gu

gw

// http://registry.gy/

gy
c0.gy
com.gy
edu.gy
gov.gy
net.gy
org.gy

// hk : https://www.hkirc.hk
// Submitted by registry <hk.tech@hkirc.hk>

hk
com.hk
edu.hk
gov.hk
idv.hk
net.hk
org.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk

hm

// hn : http://www.nic.hn/politicas/ps02,,05.html
hn
com.hn
edu.hn
org.hn
net.hn
mil.hn
gob.hn

// hr : http://www.dns.hr/documents/pdf/HRTLĐ-regulations.pdf
hr
iz.hr
from.hr
name.hr
com.hr

// ht : http://www.nic.ht/info/charte.cfm
ht
com.ht
shop.ht
firm.ht
// hu : http://www.domain.hu/domain/English/sld.html
// Confirmed by registry <pasztor@iszt.hu> 2008-06-12
hu
co.hu
info.hu
org.hu
priv.hu
sport.hu
tm.hu
2000.hu
agrar.hu
bolt.hu
casino.hu
city.hu
erotica.hu
erotika.hu
film.hu
forum.hu
games.hu
hotel.hu
ingatlan.hu
jogasz.hu
konyvelo.hu
lakas.hu
media.hu
news.hu
reklam.hu
sex.hu
shop.hu
suli.hu
szex.hu
tozsde.hu
utazas.hu
video.hu

// id : https://pandi.id/en/domain/registration-requirements/
id
ac.id
biz.id
co.id
desa.id
go.id
mil.id
my.id
net.id
or.id
ponpes.id
sch.id
web.id

ie
gov.ie

// il : http://www.isoc.org.il/domains/
il
ac.il
co.il
gov.il
idf.il
k12.il
muni.il
net.il
org.il

// im : https://www.nic.im/
// Submitted by registry <info@nic.im>
im
ac.im
co.im
com.im
ltd.co.im
net.im
org.im
plc.co.im
tt.im
tv.im

// in : https://en.wikipedia.org/wiki/.in
// see also: https://registry.in/Policies
// Please note, that nic.in is not an official eTLD, but used by most
// government institutions.
in
c0.in
firm.in
net.in
org.in
gen.in
ind.in
nic.in
ac.in
edu.in
res.in
gov.in
mil.in

info

// Confirmed by registry <iana-questions@icann.org> 2008-06-18
int
eu.int

// io : http://www.nic.io/rules.html
// list of other 2nd level tlds ?
io
com.io

iq
gov.iq
edu.iq
mil.iq
com.iq
org.iq
net.iq

// ir : http://www.nic.ir/Terms_and_Conditions_ir__Appendix_1_Domain_Rules
// Also see http://www.nic.ir/Internationalized_Domain_Names
// Two <iran>.ir entries added at request of <tech-team@nic.ir>, 2010-04-16
ir
ac.ir
c0.ir
gov.ir
id.ir
net.ir
org.ir
sch.ir
// xn--mgba3a4f16a.ir (<iran>.ir, Persian YEH)
.ir
// xn--mgba3a4fra.ir (<iran>.ir, Arabic YEH)
.ir

// is : http://www.isnic.is/domain/rules.php
// Confirmed by registry <marius@isgate.is> 2008-12-06
is
net.is
com.is
edu.is
gov.is
org.is
int.is

it
gov.it
edu.it
// Reserved geo-names (regions and provinces):
// https://www.nic.it/sites/default/files/archivio/docs/Regulation_assignation_v7.1.pdf
// Regions
abr.it
abruzzo.it
aosta-valley.it
aostavalley.it
bas.it
basilicata.it
cal.it
calabria.it
cam.it
campania.it
emilia-romagna.it
emiliaromagna.it
emr.it
friuli-v-giulia.it
friuli-ve-giulia.it
friuli-vegiulia.it
friuli-venezia-giulia.it
friuli-venezigiulia.it
friuli-vgiulia.it
friuliv-giulia.it
friulive-giulia.it
friulivegiulia.it
friulivenezia-giulia.it
friuliveneziagiulia.it
friulivgiulia.it
fvg.it
bulsan-sudtirol.it
bulsan-sdtirol.it
bulsan-suedtirol.it
bulsan.it
bz.it
cn.it
cagliari.it
caltanissetta.it
campidano-medio.it
campidanomedio.it
campobasso.it
carbonia-iglesias.it
carboniaiglesias.it
carrara-massa.it
carraramassa.it
caserta.it
catania.it
catanzaro.it
cb.it
ce.it
cesena-forli.it
cesena-forl.it
cesenaforli.it
cesenaforl.it
ch.it
chieti.it
ci.it
ci.it
cn.it
cn.it
como.it
como.it
cosenza.it
cr.it
cremona.it
crotone.it
cs.it
cs.it
cuneo.it
cz.it
dell-ogliastra.it
delllogliastra.it
en.it
enna.it
fe.it
fe.it
fermo.it
ferrara.it
fg.it
fi.it
firenze.it
florence.it
fm.it
foggia.it
forli-cesena.it
forl-cesena.it
forlicesena.it
forlichesena.it
fr.it
frosinone.it
gi.it
genoa.it
genova.it
go.it
gorizia.it
gr.it
grosseto.it
iglesias-carbonia.it
iglesiascarbonia.it
im.it
imperia.it
is.it
isernia.it
kr.it
la-spezia.it
laquila.it
laspezia.it
latina.it
lc.it
le.it
lecce.it
lecco.it
li.it
livorno.it
lo.it
lodi.it
lt.it
lu.it
lucca.it
macerata.it
mantova.it
massa-carrara.it
massacarrara.it
matera.it
mb.it
mc.it
me.it
tempio-olbia.it
tempooolbia.it
teramo.it
terni.it
tn.it
to.it
torino.it
tp.it
tr.it
trani-andria-barletta.it
trani-barletta-andria.it
traniandriabarletta.it
tranibarlettaandria.it
trapani.it
trento.it
treviso.it
trieste.it
ts.it
turin.it
tv.it
ud.it
udine.it
urbino-pesaro.it
urbinopesaro.it
va.it
varese.it
vb.it
vc.it
ve.it
venezia.it
venice.it
verbania.it
vercelli.it
verona.it
vi.it
vibo-valentia.it
vibovalentia.it
vicenza.it
viterbo.it
vr.it
vs.it
vt.it
vv.it

// je : http://www.channelisles.net/register-domains/
// Confirmed by registry <nigel@channelisles.net> 2013-11-28
je
cr.je
net.je
org.je

*jm

jo
com.jo
org.jo
net.jo
edu.jo
sch.jo
gov.jo
mil.jo
name.jo

// jobs : https://en.wikipedia.org/wiki/jobs
jobs

// jp : https://en.wikipedia.org/wiki/jp
// Submitted by registry <info@jprs.jp>
jp
// jp organizational type names
ac.jp
ad.jp
co.jp
ed.jp
go.jp
gr.jp
lg.jp
ne.jp
or.jp
// jp prefecture type names
aichi.jp
akita.jp
aomori.jp
chiba.jp
ehime.jp
fukui.jp
fukuoka.jp
fukushima.jp
gifu.jp
gunma.jp
hiroshima.jp
hokkaido.jp
hyogo.jp
// jp geographic type names
// http://jprs.jp/doc/rule/saisoku-1.html
*.kawasaki.jp
*.kitakyushu.jp
*.kobe.jp
*.nagoya.jp
*.sapporo.jp
*.sendai.jp
*.yokohama.jp
!city.kawasaki.jp
!city.kitakyushu.jp
!city.kobe.jp
!city.nagoya.jp
!city.sapporo.jp
!city.sendai.jp
miharu.fukushima.jp
mishima.fukushima.jp
namie.fukushima.jp
nango.fukushima.jp
nishiaizu.fukushima.jp
nishigo.fukushima.jp
okuma.fukushima.jp
omotego.fukushima.jp
ono.fukushima.jp
otama.fukushima.jp
samegawa.fukushima.jp
shimogo.fukushima.jp
shirakawa.fukushima.jp
showa.fukushima.jp
soma.fukushima.jp
sukagawa.fukushima.jp
taishin.fukushima.jp
tamakawa.fukushima.jp
tanagura.fukushima.jp
tenei.fukushima.jp
yabuki.fukushima.jp
yamato.fukushima.jp
yamatsuri.fukushima.jp
yanaiizu.fukushima.jp
yugawa.fukushima.jp
anpachi.gifu.jp
ena.gifu.jp
gifu.gifu.jp
ginan.gifu.jp
godo.gifu.jp
gujo.gifu.jp
hashima.gifu.jp
hichiso.gifu.jp
hida.gifu.jp
higashishirakawa.gifu.jp
ibigawa.gifu.jp
ikeda.gifu.jp
kakamigahara.gifu.jp
kani.gifu.jp
kasahara.gifu.jp
kasamatsu.gifu.jp
kawaue.gifu.jp
kitagata.gifu.jp
mino.gifu.jp
minokamo.gifu.jp
mitake.gifu.jp
mizunami.gifu.jp
motosu.gifu.jp
tsumagoi.gunma.jp
ueno.gunma.jp
yoshioka.gunma.jp
asaminami.hiroshima.jp
daiwa.hiroshima.jp
etajima.hiroshima.jp
fuchu.hiroshima.jp
fukuyama.hiroshima.jp
hatsukaichi.hiroshima.jp
higashihiroshima.hiroshima.jp
hongo.hiroshima.jp
jinseikigen.hiroshima.jp
kaita.hiroshima.jp
kui.hiroshima.jp
kumano.hiroshima.jp
kure.hiroshima.jp
mihara.hiroshima.jp
miyoshi.hiroshima.jp
naka.hiroshima.jp
onomichi.hiroshima.jp
osashikamijima.hiroshima.jp
otake.hiroshima.jp
saka.hiroshima.jp
sera.hiroshima.jp
seranishi.hiroshima.jp
shinichi.hiroshima.jp
shobara.hiroshima.jp
takehara.hiroshima.jp
abashiri.hokkaido.jp
abira.hokkaido.jp
aibetsu.hokkaido.jp
akabira.hokkaido.jp
akkeshi.hokkaido.jp
asahikawa.hokkaido.jp
ashibetsu.hokkaido.jp
ashoro.hokkaido.jp
assabu.hokkaido.jp
atsuma.hokkaido.jp
bibai.hokkaido.jp
biei.hokkaido.jp
bifuka.hokkaido.jp
bihoro.hokkaido.jp
biratori.hokkaido.jp
chippubetsu.hokkaido.jp
chitose.hokkaido.jp
date.hokkaido.jp
ebetsu.hokkaido.jp
embetsu.hokkaido.jp
shiriuchi.hokkaido.jp
sobetsu.hokkaido.jp
sunagawa.hokkaido.jp
taiki.hokkaido.jp
takasu.hokkaido.jp
takikawa.hokkaido.jp
takinoe.hokkaido.jp
teshikaga.hokkaido.jp
tobetsu.hokkaido.jp
tohma.hokkaido.jp
tomakomai.hokkaido.jp
tomari.hokkaido.jp
toya.hokkaido.jp
toyako.hokkaido.jp
toyotomi.hokkaido.jp
toyoura.hokkaido.jp
tsubetsu.hokkaido.jp
tsukigata.hokkaido.jp
urakawa.hokkaido.jp
urausu.hokkaido.jp
uryu.hokkaido.jp
utashinai.hokkaido.jp
wakkanai.hokkaido.jp
wassamu.hokkaido.jp
yakumo.hokkaido.jp
yoichi.hokkaido.jp
aijy.hyogo.jp
akashi.hyogo.jp
ako.hyogo.jp
amagasaki.hyogo.jp
aogaki.hyogo.jp
asago.hyogo.jp
ashiya.hyogo.jp
awaji.hyogo.jp
fukusaki.hyogo.jp
goshiki.hyogo.jp
harima.hyogo.jp
himeji.hyogo.jp
ichikawa.hyogo.jp
inagawa.hyogo.jp
itami.hyogo.jp
kakogawa.hyogo.jp
kamigori.hyogo.jp
kamikawa.hyogo.jp
kasai.hyogo.jp
kasuga.hyogo.jp
kawanishi.hyogo.jp
miki.hyogo.jp
naka.ibaraki.jp
namegata.ibaraki.jp
oarai.ibaraki.jp
ogawa.ibaraki.jp
omitama.ibaraki.jp
ryugasaki.ibaraki.jp
sakai.ibaraki.jp
sakuragawa.ibaraki.jp
shimodate.ibaraki.jp
shimotsuma.ibaraki.jp
shirosato.ibaraki.jp
sowa.ibaraki.jp
suifu.ibaraki.jp
takahagi.ibaraki.jp
tamatsukuri.ibaraki.jp
tokai.ibaraki.jp
tomobe.ibaraki.jp
tone.ibaraki.jp
toride.ibaraki.jp
tsuchiura.ibaraki.jp
tsukuba.ibaraki.jp
uchihara.ibaraki.jp
ushiku.ibaraki.jp
yachiyo.ibaraki.jp
yamagata.ibaraki.jp
yawara.ibaraki.jp
yuki.ibaraki.jp
anamizu.ishikawa.jp
hakui.ishikawa.jp
hakusan.ishikawa.jp
kaga.ishikawa.jp
kahoku.ishikawa.jp
kanazawa.ishikawa.jp
kawakita.ishikawa.jp
komatsu.ishikawa.jp
nakanoto.ishikawa.jp
nanao.ishikawa.jp
nomi.ishikawa.jp
nonoichi.ishikawa.jp
noto.ishikawa.jp
shika.ishikawa.jp
suzu.ishikawa.jp
tsubata.ishikawa.jp
tsurugi.ishikawa.jp
uchinada.ishikawa.jp
wajima.ishikawa.jp
fudai.iwate.jp
fujisawa.iwate.jp
zushi.kanagawa.jp
aki.kochi.jp
geisei.kochi.jp
hidaka.kochi.jp
higashitsuno.kochi.jp
ino.kochi.jp
kagami.kochi.jp
kami.kochi.jp
kitagawa.kochi.jp
kochi.kochi.jp
mihara.kochi.jp
motoyama.kochi.jp
muroto.kochi.jp
nahari.kochi.jp
nakamura.kochi.jp
nankoku.kochi.jp
nishitosa.kochi.jp
niyodogawa.kochi.jp
ochi.kochi.jp
okawa.kochi.jp
otoyo.kochi.jp
otsuki.kochi.jp
sakawa.kochi.jp
sukumo.kochi.jp
susaki.kochi.jp
tosa.kochi.jp
tosashimizu.kochi.jp
toyo.kochi.jp
tsuno.kochi.jp
umaji.kochi.jp
yasuda.kochi.jp
yusuhara.kochi.jp
amakusa.kumamoto.jp
arao.kumamoto.jp
aso.kumamoto.jp
choyo.kumamoto.jp
gyokuto.kumamoto.jp
kamiamakusa.kumamoto.jp
kikuchi.kumamoto.jp
kumamoto.kumamoto.jp
mashiki.kumamoto.jp
mifune.kumamoto.jp
minamata.kumamoto.jp
minamioguni.kumamoto.jp
nagasu.kumamoto.jp
nishihara.kumamoto.jp
oguni.kumamoto.jp
ozu.kumamoto.jp
tochio.niigata.jp
tokamachi.niigata.jp
tsubame.niigata.jp
tsunan.niigata.jp
uonuma.niigata.jp
yahiko.niigata.jp
yoita.niigata.jp
yuzawa.niigata.jp
beppu.oita.jp
bungo no.oita.jp
bungotakada.oita.jp
hasama.oita.jp
hi ji.oita.jp
himeshima.oita.jp
hita.oita.jp
kamitsue.oita.jp
kokonoe.oita.jp
kuju.oita.jp
kunisaki.oita.jp
kusu.oita.jp
oita.oita.jp
saiki.oita.jp
taketa.oita.jp
tsukumi.oita.jp
usa.oita.jp
usuki.oita.jp
yufu.oita.jp
akaiwa.okayama.jp
asakuchi.okayama.jp
bizen.okayama.jp
hayashima.okayama.jp
ibara.okayama.jp
kagamino.okayama.jp
kasaoka.okayama.jp
kibichuo.okayama.jp
kumenan.okayama.jp
kurashiki.okayama.jp
maniwa.okayama.jp
misaki.okayama.jp
nagi.okayama.jp
niimi.okayama.jp
nishiawakura.okayama.jp
okayama.okayama.jp
satosho.okayama.jp
setouchi.okayama.jp
shinjo.okayama.jp
shoo.okayama.jp
soja.okayama.jp
yao.osaka.jp
ariake.saga.jp
arita.saga.jp
fukudomi.saga.jp
genkai.saga.jp
hamatama.saga.jp
hizen.saga.jp
imari.saga.jp
kamimine.saga.jp
kanzaki.saga.jp
karatsu.saga.jp
kashima.saga.jp
kitagata.saga.jp
kitahata.saga.jp
kiyama.saga.jp
kouhoku.saga.jp
kyuragi.saga.jp
nishiariita.saga.jp
ogi.saga.jp
omachi.saga.jp
ouchi.saga.jp
saga.saga.jp
shiroishi.saga.jp
taku.saga.jp
tara.saga.jp
tosu.saga.jp
yoshinogari.saga.jp
arakawa.saitama.jp
asaka.saitama.jp
chichibu.saitama.jp
fujimi.saitama.jp
fujimino.saitama.jp
fukaya.saitama.jp
hanno.saitama.jp
hanyu.saitama.jp
hasuda.saitama.jp
hatogaya.saitama.jp
hatoyama.saitama.jp
hidaka.saitama.jp
higashichichibu.saitama.jp
higashimatsuyama.saitama.jp
honjo.saitama.jp
ina.saitama.jp
iruma.saitama.jp
iwatsuki.saitama.jp
kamiizumi.saitama.jp
kamikawa.saitama.jp
kamisato.saitama.jp
hagi.yamaguchi.jp
hikari.yamaguchi.jp
hofu.yamaguchi.jp
iwakuni.yamaguchi.jp
kudamatsu.yamaguchi.jp
mitou.yamaguchi.jp
nagato.yamaguchi.jp
oshima.yamaguchi.jp
shimonoseki.yamaguchi.jp
shunan.yamaguchi.jp
tabuse.yamaguchi.jp
tokuyama.yamaguchi.jp
toyota.yamaguchi.jp
ube.yamaguchi.jp
yuu.yamaguchi.jp
chuo.yamanashi.jp
doshi.yamanashi.jp
fuefuki.yamanashi.jp
fujikawa.yamanashi.jp
fujikawaguchiko.yamanashi.jp
fujiyoshida.yamanashi.jp
hayakawa.yamanashi.jp
hokuto.yamanashi.jp
ichikawamisato.yamanashi.jp
kai.yamanashi.jp
kofu.yamanashi.jp
koshu.yamanashi.jp
kosuge.yamanashi.jp
minami-alps.yamanashi.jp
minobu.yamanashi.jp
nakamichi.yamanashi.jp
nanbu.yamanashi.jp
narusawa.yamanashi.jp
nirasaki.yamanashi.jp
nishikatsura.yamanashi.jp
oshino.yamanashi.jp
otsuki.yamanashi.jp
showa.yamanashi.jp
tabayama.yamanashi.jp
tsuru.yamanashi.jp
uenohara.yamanashi.jp
yamanakako.yamanashi.jp
yamanashi.yamanashi.jp

ke
ac.ke
co.ke
go.ke
info.ke
me.ke
mobi.ke
ne.ke
or.ke
sc.ke

// kg : http://www.domain.kg/dmn_n.html
kg
org.kg
net.kg
com.kg
edu.kg
gov.kg
mil.kg

*.kh

// ki : http://www.ki/dns/index.html
ki
edu.ki
biz.ki
net.ki
org.ki
gov.ki
info.ki
com.ki

// km : https://en.wikipedia.org/wiki/.km
// http://www.domaine.km/documents/charter.doc
km
org.km
nom.km
gov.km
prd.km
tm.km
edu.km
mil.km
ass.km
com.km

// These are only mentioned as proposed suggestions at domaine.km, but
// https://en.wikipedia.org/wiki/.km says they're available for registration:
coop.km
asso.km
presse.km
medecin.km
notaires.km
pharmaciens.km
veterinaire.km
gouv.km

// http://www.dot.kn/domainRules.html
kn
net.kn
org.kn
edu.kn
gov.kn

kp
com.kp
edu.kp
gov.kp
org.kp
rep.kp
tra.kp

// see also: http://domain.nida.or.kr/eng/registration.jsp
kr
ac.kr
co.kr
es.kr
go.kr
hs.kr
kg.kr
mil.kr
ms.kr
ne.kr
or.kr
pe.kr
re.kr
sc.kr
// kr geographical names
busan.kr
chungbuk.kr
chungnam.kr
daegu.kr
daeyeon.kr
gangwon.kr
gwangju.kr
gyeongbuk.kr
gyeonggi.kr
gyeongnam.kr
incheon.kr
jeju.kr
jeonbuk.kr
jeonnam.kr
seoul.kr
ulsan.kr

// kw : https://www.nic.kw/policies/
// Confirmed by registry <nic.tech@citra.gov.kw>
kw
com.kw
edu.kw
emb.kw
gov.kw
ind.kw
net.kw
org.kw

// Confirmed by registry <kysupport@perimeterusa.com> 2008-06-17
ky
edu.ky
gov.ky
com.ky
org.ky
net.ky

// see also: http://www.nic.kz/rules/index.jsp
kz
org.kz
edu.kz
net.kz
gov.kz
mil.kz
com.kz

// Submitted by registry <gavin.brown@nic.la>
la
int.la
net.la
info.la
edu.la
gov.la
per.la
com.la
org.lr
et.lr

// ls : http://www.nic.ls/
// Confirmed by registry <lsadmin@nic.ls>
ls
ac.ls
biz.ls
co.ls
edu.ls
gov.ls
info.ls
net.ls
org.ls
sc.ls

lt
gov.lt

lu

// lv : http://www.nic.lv/DNS/En/generic.php
lv
com.lv
edu.lv
gov.lv
org.lv
mil.lv
id.lv
net.lv
asn.lv
conf.lv

ly
com.ly
net.ly
gov.ly
plc.ly
edu.ly
sch.ly
med.ly
org.ly
id.ly
ma
c.o.ma
net.ma
gov.ma
org.ma
ac.ma
press.ma

// mc : http://www.nic.mc/
c.m c
tm.mc
asso.mc

md

// me : https://en.wikipedia.org/wiki/.me
m e
c.o.me
net.me
org.me
edu.me
ac.me
gov.me
its.me
priv.me

// mg : http://nic.mg/nicmg/?page_id=39
m g
org.m g
nom.m g
gov.m g
prd.m g
tm.m g
edu.m g
mil.m g
com.m g
c.o.m g

m h

mil

// see also: http://dns.marnet.net.mk/postapka.php
mk
com.mk
org.mk
net.mk
edu.mk
gov.mk
inf.mk
name.mk

// ml : http://www.gobin.info/domainname/ml-template.doc
// see also: https://en.wikipedia.org/wiki/.ml
ml
com.ml
edu.ml
gouv.ml
gov.ml
net.ml
org.ml
presse.ml

// mm : https://en.wikipedia.org/wiki/.mm
*.mm

mn
gov.mn
edu.mn
org.mn

// mo : http://www.monic.net.mo/
mo
com.mo
net.mo
org.mo
edu.mo
gov.mo

mobi

// mp : http://www.dot.mp/
// Confirmed by registry <dcamacho@saipan.com> 2008-06-17
mp

mq
fribourg.museum
frog.museum
fundacion.museum
furniture.museum
gallery.museum
garden.museum
gateway.museum
geelvinck.museum
gemological.museum
geology.museum
gorgia.museum
giessen.museum
glas.museum
glass.museum
gorge.museum
grandrapids.museum
graz.museum
guernsey.museum
halloffame.museum
hamburg.museum
handson.museum
harvestcelebration.museum
hawaii.museum
health.museum
heimatunduhren.museum
hollas.museum
helsinki.museum
hembygdsforbund.museum
heritage.museum
histoire.museum
historical.museum
historicalsociety.museum
historichouses.museum
historisch.museum
historisches.museum
history.museum
historyofscience.museum
horology.museum
house.museum
humanities.museum
illustration.museum
imageandsound.museum
indian.museum
indiana.museum
indianapolis.museum
indianmarket.museum
intelligence.museum
interactive.museum
iraq.museum
iron.museum
isleofman.museum
jamison.museum
jefferson.museum
jerusalem.museum
jewelry.museum
jewish.museum
jewishart.museum
jfk.museum
journalism.museum
judaica.museum
judygarland.museum
juedisches.museum
juif.museum
karate.museum
karikatur.museum
kids.museum
koebenhavn.museum
koeln.museum
kunst.museum
kunstsammlung.museum
kunstunddesign.museum
labor.museum
labour.museum
lajolla.museum
lancashire.museum
landes.museum
lans.museum
lns.museum
larsson.museum
lewismiller.museum
lincoln.museum
linz.museum
living.museum
livinghistory.museum
localhistory.museum
london.museum
losangeles.museum
louvre.museum
loyalist.museum
lucerne.museum
luxembourg.museum
luzern.museum
mad.museum
madrid.museum
mallorca.museum
manchester.museum
zoology.museum
.museum
.museum

// mv : https://en.wikipedia.org/wiki/mv
// "mv" included because, contra Wikipedia, google.mv exists.
mv
aero.mv
biz.mv
com.mv
coop.mv
edu.mv
gov.mv
info.mv
int.mv
mil.mv
museum.mv
name.mv
net.mv
org.mv
pro.mv

// mw : http://www.registrar.mw/
mw
ac.mw
biz.mw
co.mw
com.mw
coop.mw
edu.mw
gov.mw
int.mw
museum.mw
net.mw
org.mw

// mx : http://www.nic.mx/
// Submitted by registry <farias@nic.mx>
mx
com.mx
org.mx
gob.mx
edu.mx
net.mx

// my : http://www.mynic.net.my/
my
com.my
net.my
org.my
gov.my
edu.my
mil.my
name.my

// mz : http://www.uem.mz/
// Submitted by registry <antonio@uem.mz>
mz
ac.mz
adv.mz
co.mz
edu.mz
gov.mz
mil.mz
net.mz
org.mz

// http://www.info.na/domain/
na
info.na
pro.na
name.na
school.na
or.na
dr.na
us.na
mx.na
cn.na
in.na
cc.na
tv.na
ws.na
mobi.na
cn.na
com.na
org.na

// name : has 2nd-level tlds, but there's no list of them
name

// nc : http://www.cctld.nc/
nc
asso.nc
nom.nc
// https://www.sidn.nl/
// ccTLD for the Netherlands
nl
// no : http://www.norid.no/regelverk/index.en.html
// The Norwegian registry has declined to notify us of updates. The web pages
// referenced below are the official source of the data. There is also an
// announce mailing list:
// https://postlister.uninett.no/sympa/info/norid-diskusjon
no
// Norid generic domains : http://www.norid.no/regelverk/vedlegg-c.en.html
fhs.no
vgs.no
fylkesbibl.no
folkebibl.no
museum.no
idrett.no
priv.no
// Non-Norid generic domains : http://www.norid.no/regelverk/vedlegg-d.en.html
mil.no
stat.no
dep.no
kommune.no
herad.no
// no geographical names : http://www.norid.no/regelverk/vedlegg-b.en.html
// counties
aa.no
ah.no
bu.no
fm.no
hl.no
hm.no
jan-mayen.no
mr.no
nl.no
nt.no
of.no
ol.no
oslo.no
rl.no
sf.no
st.no
svalbard.no
tm.no
tr.no
va.no
vf.no

// primary and lower secondary schools per county
gs.aa.no
gs.ah.no
gs.bu.no
gs.fm.no
gs.hl.no
gs.hm.no
gs.jan-mayen.no
gs.mr.no
gs.nl.no
gs.nt.no
gs.of.no
gs.ol.no
gs.oslo.no
gs.rl.no
gs.sf.no
gs.st.no
gs.svalbard.no
gs.tm.no
gs.tr.no
gs.va.no
gs.vf.no

// cities
akrehamm.no
krehamn.no
algard.no
lgrd.no
arna.no
brumunddal.no
bryne.no
bronnoysund.no
brnysund.no
drobak.no
drbak.no
egersund.no
fetsund.no
floro.no
flor.no
fredrikstad.no
hokksund.no
honefoss.no
hnefoss.no
jessheim.no
jorpeland.no
jrpeland.no
kirkenes.no
kopervik.no
valer.ostfold.no
vler.sfold.no
valer.hedmark.no
vler.hedmark.no

*.*np

// nr : http://cenpac.net.nr/dns/index.html
// Submitted by registry <technician@cenpac.net.nr>
   nr
   biz.nr
   info.nr
   gov.nr
   edu.nr
   org.nr
   net.nr
   com.nr

// nu : https://en.wikipedia.org/wiki/nu
   nu

// Submitted by registry <jay@nzrs.net.nz>
   nz
   ac.nz
   co.nz
   cri.nz
   geek.nz
   gen.nz
   govt.nz
   health.nz
   iwi.nz
   kiwi.nz
   maori.nz
   mil.nz
   mori.nz
   net.nz
   org.nz
   parliament.nz
   school.nz

   om
   co.om
   com.om
   edu.om
   gov.om
med.om
museum.om
net.om
org.om
pro.om

onion

org

// pa : http://www.nic.pa/
// Some additional second level "domains" resolve directly as hostnames, such as
// pannet.pa, so we add a rule for "pa".
pa
ac.pa
gob.pa
com.pa
org.pa
sld.pa
edu.pa
net.pa
ing.pa
abo.pa
med.pa
nom.pa

// pe : https://www.nic.pe/InformeFinalComision.pdf
pe
edu.pe
gob.pe
nom.pe
mil.pe
org.pe
com.pe
net.pe

pf
com.pf
org.pf
edu.pf

*.pg

// ph : http://www.domains.ph/FAQ2.asp
nieruchomosci.pl
nom.pl
pc.pl
powiat.pl
priv.pl
realestate.pl
rel.pl
sex.pl
shop.pl
sklep.pl
sos.pl
szkola.pl
targi.pl
tm.pl
tourism.pl
turystyka.pl
// Government domains
gov.pl
ap.gov.pl
ic.gov.pl
is.gov.pl
us.gov.pl
kmps.gov.pl
kpwp.gov.pl
kwwp.gov.pl
psp.gov.pl
wskr.gov.pl
kwp.gov.pl
mw.gov.pl
ug.gov.pl
um.gov.pl
umig.gov.pl
ugim.gov.pl
up.gov.pl
uw.gov.pl
starostwo.gov.pl
pa.gov.pl
po.gov.pl
psse.gov.pl
pup.gov.pl
rzgw.gov.pl
sa.gov.pl
so.gov.pl
sr.gov.pl
wsa.gov.pl
sko.gov.pl
usz.gov.pl
wihi.gov.pl
winb.gov.pl
pinb.gov.pl
wios.gov.pl
witd.gov.pl
wzmiuw.gov.pl
piw.gov.pl
wiw.gov.pl
griw.gov.pl
wif.gov.pl
oum.gov.pl
sdn.gov.pl
zp.gov.pl
uppo.gov.pl
mup.gov.pl
wuoz.gov.pl
konsulat.gov.pl
oirm.gov.pl
// pl regional domains (http://www.dns.pl/english/index.html)
augustow.pl
babia-gora.pl
bedzin.pl
beskidy.pl
bialowieza.pl
bialystok.pl
bielawa.pl
bieszcady.pl
boleslawiec.pl
bydgoszcz.pl
bytom.pl
cieszyn.pl
czeladz.pl
czest.pl
dlugoleka.pl
elblag.pl
elk.pl
glogow.pl
gniezno.pl
gorlice.pl
grajewo.pl
ilawa.pl
jaworzno.pl
jelenia-gora.pl
jgora.pl
kalisz.pl
kazimierz-dolny.pl
karpacz.pl
kartuzy.pl
kaszuby.pl
katowice.pl
kepno.pl
ketrzyn.pl
klodzko.pl
kobierzyce.pl
kolobrzeg.pl
konin.pl
koniskowola.pl
kutno.pl
lapy.pl
lebork.pl
legnica.pl
lezajsk.pl
limanowa.pl
lomza.pl
lowicz.pl
lubin.pl
lukow.pl
malbork.pl
malopolska.pl
mazowsze.pl
mazury.pl
mielec.pl
mielno.pl
mragowo.pl
naklo.pl
nowaruda.pl
nysa.pl
olawa.pl
olecko.pl
olkusz.pl
olsztyn.pl
opoczno.pl
opole.pl
ostroda.pl
ostroleka.pl
ostrowiec.pl
ostrowwilkp.pl
pila.pl
pisz.pl
podhale.pl
podlasie.pl
pokowice.pl
pomorze.pl
pomorskie.pl
prochowice.pl
pruszkow.pl
przeworsk.pl
pulawy.pl
radom.pl
rawa-maz.pl
rybnik.pl
rzezow.pl
sanok.pl
sejny.pl
slask.pl
slupsk.pl
sosnowiec.pl
stalowa-wola.pl
skoczow.pl
starachowice.pl
stargard.pl
suwalki.pl
swidnica.pl
swiebodzin.pl
swinoujscie.pl
szczecin.pl
szczyno.pl
tarnobrzeg.pl
tgory.pl
turek.pl
tychy.pl
ustka.pl
walbrzych.pl
warmia.pl
warszawa.pl
waw.pl
wegrow.pl
wielun.pl
wloc.pl
wloclawek.pl
wodzislaw.pl
wolomin.pl
wroclaw.pl
zachpomor.pl
zagan.pl
zarow.pl
zgora.pl
zgorzelec.pl


// pn : http://www.government.pn/PnRegistry/policies.htm

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Open Source Used In Cisco Auto Inline Retuner 2.1.0 16041
gov.pn
c0.pn
org.pn
edu.pn
net.pn

post

// pr : http://www.nic.pr/index.asp?f=1
pr
com.pr
net.pr
org.pr
gov.pr
edu.pr
isla.pr
pro.pr
biz.pr
info.pr
name.pr

// these aren't mentioned on nic.pr, but on https://en.wikipedia.org/wiki/.pr
est.pr
prof.pr
ac.pr

// pro : http://registry.pro/get-pro
pro
aaa.pro
aca.pro
acct.pro
avocat.pro
bar.pro
cpa.pro
eng.pro
jur.pro
law.pro
med.pro
recht.pro

// http://www.nic.ps/registration/policy.html#reg
ps
edu.ps
gov.ps
sec.ps
plo.ps
com.ps
org.ps
net.ps

// pt : http://online.dns.pt/dns/start_dns
pt
net.pt
gov.pt
org.pt
edu.pt
int.pt
publ.pt
com.pt
nome.pt

// pw : https://en.wikipedia.org/wiki/pw
pw
coop.pw
ne.pw
or.pw
ed.pw
go.pw
belau.pw

// py : http://www.nic.py/pautas.html#seccion_9
// Submitted by registry
py
com.py
go.pw
edu.py
gov.py
mil.py
net.py
org.py

qa
com.qa
edu.qa
gov.qa
mil.qa
name.qa
net.qa
org.qa
sch.qa

// re : http://www.afnic.re/obtenir/chartes/nommage-re/annexe-descriptifs
re
asso.re
// ro : http://www.rotld.ro/
  ro
  arts.ro
  com.ro
  firm.ro
  info.ro
  nom.ro
  nt.ro
  org.ro
  rec.ro
  store.ro
  tm.ro
  www.ro

// rs : https://www.rnids.rs/en/domains/national-domains
  rs
  ac.rs
  co.rs
  edu.rs
  gov.rs
  in.rs
  org.rs

  // Submitted by George Georgievsky <gug@cctld.ru>
  ru

// rw : https://www.ricta.org.rw/sites/default/files/resources/registry_registrar_contract_0.pdf
  rw
  ac.rw
  co.rw
  coop.rw
  gov.rw
  mil.rw
  net.rw
  org.rw

// sa : http://www.nic.net.sa/
  sa
  com.sa
  net.sa
  org.sa
  gov.sa
  med.sa
  pub.sa
h.se
i.se
k.se
komforb.se
kommunalforbund.se
komvux.se
l.se
lanbib.se
m.se
n.se
naturbruksgymn.se
o.se
org.se
p.se
parti.se
pp.se
press.se
r.se
s.se
t.se
tm.se
u.se
w.se
x.se
y.se
z.se

// sg : http://www.nic.net.sg/page/registration-policies-procedures-and-guidelines
sg
com.sg
net.sg
org.sg
gov.sg
edu.sg
per.sg

// sh : http://www.nic.sh/registrar.html
sh
com.sh
net.sh
gov.sh
org.sh
mil.sh

// si : https://en.wikipedia.org/wiki/si
si

// sj : No registrations at this time.
// Submitted by registry <jarle@uninett.no>
sj

// sk : https://en.wikipedia.org/wiki/sk
// list of 2nd level domains ?
sk

// sl : http://www.nic.sl
// Submitted by registry <adam@neoip.com>
sl
com.sl
net.sl
edu.sl
gov.sl
org.sl

// sm : https://en.wikipedia.org/wiki/sm
sm

// sn : https://en.wikipedia.org/wiki/sn
sn
art.sn
com.sn
edu.sn
gouv.sn
org.sn
perso.sn
univ.sn

// so : http://sonic.so/policies/
so
com.so
edu.so
gov.so
me.so
net.so
org.so

sr

// ss : https://registry.nic.ss/
// Submitted by registry <technical@nic.ss>
ss
biz.ss
com.ss
edu.ss
gov.ss
  tk

  tl
gov.tl

// tm : http://www.nic.tm/local.html
  tm
com.tm
co.tm
org.tm
net.tm
nom.tm
gov.tm
mil.tm
edu.tm

  // http://whois.ati.tn/
  tn
com.tn
ens.tn
fin.tn
gov.tn
ind.tn
intl.tn
nat.tn
net.tn
org.tn
info.tn
perso.tn
tourism.tn
edunet.tn
rmrt.tn
rms.tn
rmu.tn
mincom.tn
agrinet.tn
defense.tn
turen.tn

// to : https://en.wikipedia.org/wiki/to
// Submitted by registry <egullich@colo.to>
  to
com.to
gov.to
net.to
org.to
edu.to
mil.to

// tr : https://nic.tr/
// https://nic.tr/forms/eng/policies.pdf
tr
av.tr
bbs.tr
bel.tr
biz.tr
com.tr
dr.tr
edu.tr
gen.tr
gov.tr
info.tr
mil.tr
k12.tr
kep.tr
name.tr
net.tr
org.tr
pol.tr
tel.tr
tsk.tr
tv.tr
web.tr
// Used by Northern Cyprus
cp.tr
// Used by government agencies of Northern Cyprus
gov.cp.tr

// tt : http://www.nic.tt/
tt
cp.tttt.com.
tt.org.
tt.net.
tt.biz.
tt.info.
tt.pro.
tt.int.
tt.coop.
tt.jobs.
tt.mobi.
travel.tt
museum.tt
aero.tt
name.tt
gov.tt
edu.tt

// Not listing any 2LDs as reserved since none seem to exist in practice,
// Wikipedia notwithstanding.
tv

tw
edu.tw
gov.tw
mil.tw
com.tw
net.tw
org.tw
idv.tw
game.tw
ebiz.tw
club.tw
.tw
tw

// tz : http://www.tznic.or.tz/index.php/domains
// Submitted by registry <manager@tznic.or.tz>
tz
ac.tz
co.tz
go.tz
hotel.tz
info.tz
me.tz
mil.tz
mobi.tz
ne.tz
or.tz
sc.tz
tv.tz

// ua : https://hostmaster.ua/policy/?ua
// Submitted by registry <dk@cctld.ua>
ua
// ua 2LD
com.ua
edu.ua
gov.ua
in.ua
net.ua
org.ua
// ua geographic names
// https://hostmaster.ua/2ld/
cherkassy.ua
cherkasy.ua
chernigov.ua
chernihiv.ua
chernivtsi.ua
chernovtsy.ua
c.k
cn.ua
cr.ua
crimea.ua
cv.ua
dn.ua
dnipropetrovsk.ua
dnipropetrovsk.ua
dominic.ua
donetsk.ua
dp.ua
if.ua
ivano-frankivsk.ua
kh.ua
kharkiv.ua
kharkov.ua
kherson.ua
khhmelnitskiy.ua
khmelnytskyi.ua
kiev.ua
kiovograd.ua
km.ua
kr.ua
krym.ua
ks.ua
kv.ua
kyiv.ua
lg.ua
lt.ua
lugansk.ua
lutsk.ua
lv.ua
lviv.ua
mk.ua
mykolaiv.ua
nikolaev.ua
od.ua
odesa.ua
odessa.ua
pl.ua
poltava.ua
rivne.ua
rovno.ua
rv.ua
sb.ua
sebastopol.ua
sevastopol.ua
sm.ua
sumy.ua
te.ua
ternopil.ua
uz.ua
uzhgorod.ua
vinnica.ua
vinnytsia.ua
vn.ua
volyn.ua
yalta.ua
zaporizhzhe.ua
zaporizhzhia.ua
zhitomir.ua
zhytomyr.ua
zp.ua
zt.ua

// ug : https://www.registry.co.ug/
ug
c0.ug
or.ug
ac.ug
sc.ug
go.ug
ne.ug
com.ug
org.ug

// uk : https://en.wikipedia.org/wiki/.uk
// Submitted by registry <Michael.Daly@nominet.org.uk>
uk
ac.uk
c0.uk
gov.uk
ne.us
nh.us
nj.us
nm.us
nv.us
ny.us
oh.us
ok.us
or.us
pa.us
pr.us
ri.us
sc.us
sd.us
tn.us
tx.us
ut.us
vi.us
vt.us
va.us
wa.us
wv.us
wy.us

// The registrar notes several more specific domains available in each state,
// such as state.*.us, dst.*.us, etc., but resolution of these is somewhat
// haphazard; in some states these domains resolve as addresses, while in others
// only subdomains are available, or even nothing at all. We include the
// most common ones where it's clear that different sites are different
// entities.
k12.ak.us
k12.al.us
k12.ar.us
k12.as.us
k12.az.us
k12.ca.us
k12.co.us
k12.ct.us
k12.dc.us
k12.de.us
k12.fl.us
k12.ga.us
k12.gu.us
k12.hi.us  Bug 614565 - Hawaii has a state-wide DOE login
k12.ia.us
k12.id.us
k12.il.us
k12.in.us
k12.ks.us
k12.ky.us
k12.kz.us
k12.mn.us
k12.ma.us
k12.md.us
k12.mi.us
k12.me.us
k12.mi.us
k12.mn.us
k12.mo.us
k12.ms.us
k12.mt.us
k12.ne.us
k12.nh.us
k12.nj.us
k12.nm.us
k12.ny.us
k12.or.us
k12.pa.us
k12.pr.us
k12.ri.us
k12.sc.us
k12.sd.us
k12.tn.us
k12.tx.us
k12.ut.us
k12.va.us
k12.wa.us
k12.wi.us
k12.wv.us
k12.wy.us
cc.ak.us
cc.al.us
cc.ar.us
cc.as.us
cc.az.us
cc.ca.us
cc.co.us
cc.ct.us
cc.dc.us
cc.de.us
cc.fl.us
lib.az.us
lib.ca.us
lib.co.us
lib.ct.us
lib.dc.us

// lib.de.us  Issue #243 - Moved to Private section at request of Ed Moore <Ed.Moore@lib.de.us>
lib.fl.us
lib.ga.us
lib.gu.us
lib.hi.us
lib.ia.us
lib.id.us
lib.il.us
lib.in.us
lib.ks.us
lib.ky.us
lib.la.us
lib.ma.us
lib.md.us
lib.me.us
lib.mi.us
lib.mn.us
lib.mo.us
lib.ms.us
lib.mt.us
lib.nc.us
lib.nd.us
lib.ne.us
lib.nh.us
lib.nj.us
lib.nm.us
lib.nv.us
lib.ny.us
lib.oh.us
lib.ok.us
lib.or.us
lib.pa.us
lib.pr.us
lib.ri.us
lib.sc.us
lib.sd.us
lib.tn.us
lib.tx.us
lib.ut.us
lib.vi.us
lib.vt.us
lib.va.us
lib.wa.us
lib.wi.us
// lib.wv.us Bug 941670 - Removed at request of Larry W Arnold <arnold@wvlc.lib.wv.us>
lib.wy.us
// k12.ma.us contains school districts in Massachusetts. The 4LDs are
// managed independently except for private (PVT), charter (CHTR) and
// parochial (PAROCH) schools. Those are delegated directly to the
// 5LD operators. <k12-ma-hostmaster _ at _ rsuc.gweep.net>
pvt.k12.ma.us
chtr.k12.ma.us
paroch.k12.ma.us
// Merit Network, Inc. maintains the registry for =~ /(k12|cc|lib).mi.us/ and the following
// see also: http://domreg.merit.edu
// see also: whois -h whois.domreg.merit.edu help
ann-arbor.mi.us
cog.mi.us
dst.mi.us
eaton.mi.us
gen.mi.us
mus.mi.us
tec.mi.us
washtenaw.mi.us

// uy : http://www.nic.org.uy/
uy
com.uy
edu.uy
gub.uy
mil.uy
net.uy
org.uy

// uz : http://www.reg.uz/
uz
c0.uz
com.uz
net.uz
org.uz

// va : https://en.wikipedia.org/wiki/va
va

// vc : https://en.wikipedia.org/wiki/vc
// Submitted by registry <kshah@ca.afilias.info>
vc
c0m.vc
net.vc
org.vc
gov.vc
mil.vc
edu.vc

// ve : https://registro.nic.ve/
// Submitted by registry
ve
arts.ve
co.ve
com.ve
e12.ve
edu.ve
firm.ve
gob.ve
gov.ve
info.ve
int.ve
mil.ve
net.ve
org.ve
rec.ve
store.ve
tec.ve
web.ve

// vg : https://en.wikipedia.org/wiki/vg
vg

// vi : http://www.nic.vi/newdomainform.htm
// http://www.nic.vi/Domain_Rules/body_domain_rules.html indicates some other
// TLDs are "reserved", such as edu.vi and gov.vi, but doesn't actually say they
// are available for registration (which they do not seem to be).
vi
c.o.vi
com.vi
k12.vi
net.vi
org.vi

// vn : https://www.dot.vn/vnnic/vnnic/domainregistration.jsp
vn
com.vn
net.vn
org.vn
edu.vn
gov.vn
int.vn
ac.vn
biz.vn
info.vn
name.vn
pro.vn
health.vn

// http://www.vunic.vu/
vu
com.vu
edu.vu
net.vu
org.vu

wf

// http://samoanic.ws/index.dhtml
ws
com.ws
net.ws
org.ws
gov.ws
edu.ws

yt

// IDN ccTLDs
// When submitting patches, please maintain a sort by ISO 3166 ccTLD, then
// U-label, and follow this format:
// // A-Label ("<Latin renderings>", <language name>[, variant info]) : <ISO 3166 ccTLD>
// // [sponsoring org]
// U-Label

// xn--mgbaam7a8h ("Emerat", Arabic) : AE
// http://nic.ae/english/arabicdomain/rules.jsp

// xn--y9a3aq ("hye", Armenian) : AM
// ISOC AM (operated by .am Registry)

// xn--54b7fta0cc ("Bangla", Bangla) : BD

// xn--90ae ("bg", Bulgarian) : BG
gov.zm
info.zm
mil.zm
net.zm
org.zm
sch.zm

// zw : https://www.potraz.gov.zw/
// Confirmed by registry <bmtengwa@potraz.gov.zw> 2017-01-25
zw
ac.zw
co.zw
gov.zw
mil.zw
org.zw

// newGTLDs

// List of new gTLDs imported from https://www.icann.org/resources/registries/gtlds/v2/gtlds.json on 2020-03-10T18:08:44Z
// This list is auto-generated, don't edit it manually.
// aaa : 2015-02-26 American Automobile Association, Inc.
aaa

// aarp : 2015-05-21 AARP
aarp

// abarth : 2015-07-30 Fiat Chrysler Automobiles N.V.
abarth

// abb : 2014-10-24 ABB Ltd
abb

abott

// abbvie : 2015-07-30 AbbVie Inc.
abbvie

abc

// able : 2015-06-25 Able Inc.
able

abogado
// autos : 2014-01-09 DERAutos, LLC
autos

// avianca : 2015-01-08 Avianca Holdings S.A.
avianca

// aws : 2015-06-25 Amazon Registry Services, Inc.
aws

// axa : 2013-12-19 AXA SA
axa

// azure : 2014-12-18 Microsoft Corporation
azure

// baby : 2015-04-09 XYZ.COM LLC
baby

// baidu : 2015-01-08 Baidu, Inc.
baidu

banamex

bananarepublic

// band : 2014-06-12 Dog Beach, LLC
band

// bank : 2014-09-25 fTLD Registry Services LLC
bank

// bar : 2013-12-12 Punto 2012 Sociedad Anonima Promotora de Inversion de Capital Variable
bar

// barcelona : 2014-07-24 Municipi de Barcelona
barcelona

// barclaycard : 2014-11-20 Barclays Bank PLC
barclaycard

// barclays : 2014-11-20 Barclays Bank PLC
barclays

// barefoot : 2015-06-11 Gallo Vineyards, Inc.
barefoot
// bargains : 2013-11-14 Binky Moon, LLC
bargains

// baseball : 2015-10-29 MLB Advanced Media DH, LLC
baseball

// basketball : 2015-08-20 Fdration Internationale de Basketball (FIBA)
basketball

// bauhaus : 2014-04-17 Werkhaus GmbH
bauhaus

// bayern : 2014-01-23 Bayern Connect GmbH
bayern

// bbc : 2014-12-18 British Broadcasting Corporation
bbc

// bbt : 2015-07-23 BB&T Corporation
bbt

// bbva : 2014-10-02 BANCO BILBAO VIZCAYA ARGENTARIA, S.A.
bbva

// bcg : 2015-04-02 The Boston Consulting Group, Inc.
bcg

// bcn : 2014-07-24 Municipi de Barcelona
bcn

// beats : 2015-05-14 Beats Electronics, LLC
beats

// beauty : 2015-12-03 XYZ.COM LLC
beauty

// beer : 2014-01-09 Minds + Machines Group Limited
beer

// bentley : 2014-12-18 Bentley Motors Limited
bentley

// berlin : 2013-10-31 dotBERLIN GmbH & Co. KG
berlin

// best : 2013-12-19 BestTLD Pty Ltd
best
cal : 2014-07-24 Charleston Road Registry Inc.
cal

call : 2014-12-18 Amazon Registry Services, Inc.
call

calvinklein : 2015-07-30 PVH gTLD Holdings LLC
calvinklein

cam : 2016-04-21 AC Webconnecting Holding B.V.
cam

camera : 2013-08-27 Binky Moon, LLC
camera

camp : 2013-11-07 Binky Moon, LLC
camp

cancerresearch

canon : 2014-09-12 Canon Inc.
canon

capetown : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry
capetown

capital : 2014-03-06 Binky Moon, LLC
capital

capitalone : 2015-08-06 Capital One Financial Corporation
capitalone

car : 2015-01-22 CarsRegistry Limited
car

caravan : 2013-12-12 Caravan International, Inc.
caravan

cards : 2013-12-05 Binky Moon, LLC
cards

care : 2014-03-06 Binky Moon, LLC
care

career : 2013-10-09 dotCareer LLC
career
// careers : 2013-10-02 Binky Moon, LLC  
careers

// cars : 2014-11-13 CarsRegistry Limited  
cars

// casa : 2013-11-21 Minds + Machines Group Limited  
casa

// case : 2015-09-03 CNH Industrial N.V.  

case

// caseih : 2015-09-03 CNH Industrial N.V.  
caseih

// cash : 2014-03-06 Binky Moon, LLC  
cash

// casino : 2014-12-18 Binky Moon, LLC  
casino

// catering : 2013-12-05 Binky Moon, LLC  
catering

catholic

// cba : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA  

cba

cbn

// cbre : 2015-07-02 CBRE, Inc.  
cbre

// cbs : 2015-08-06 CBS Domains Inc.  
cbs

// ceb : 2015-04-09 The Corporate Executive Board Company  
ceb

// center : 2013-11-07 Binky Moon, LLC  
center

// ceeo : 2013-11-07 CEOTLD Pty Ltd
codes

// coffee : 2013-10-17 Binky Moon, LLC
coffee

// college : 2014-01-16 XYZ.COM LLC
college

// cologne : 2014-02-05 dotKoeln GmbH
cologne

// comcast : 2015-07-23 Comcast IP Holdings I, LLC
comcast

// commbank : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA
commbank

// community : 2013-12-05 Binky Moon, LLC
community

// company : 2013-11-07 Binky Moon, LLC
company

// compare : 2015-10-08 Registry Services, LLC
compare

// computer : 2013-10-24 Binky Moon, LLC
computer

// comsec : 2015-01-08 VeriSign, Inc.
comsec

// condos : 2013-12-05 Binky Moon, LLC
condos

// construction : 2013-09-16 Binky Moon, LLC
construction

// consulting : 2013-12-05 Dog Beach, LLC
consulting

// contact : 2015-01-08 Dog Beach, LLC
contact

// contractors : 2013-09-10 Binky Moon, LLC
contractors

// cooking : 2013-11-21 Minds + Machines Group Limited
cruises

// csc : 2014-09-25 Alliance-One Services, Inc. csc

cucinella

// cuisinella : 2014-04-03 SCHMIDT GROUPE S.A.S. cuisinella

cymru

// cymru : 2014-05-08 Nominet UK cymru

cyou

// cyou : 2015-01-22 ShortDot SA cyou

dabur

// dabur : 2014-02-06 Dabur India Limited dabur

dad

// dad : 2014-01-23 Charleston Road Registry Inc. dad

dance

// dance : 2013-10-24 Dog Beach, LLC dance

data

// data : 2016-06-02 Dish DBS Corporation data

date

// date : 2014-11-20 dot Date Limited date

dating

// dating : 2013-12-05 Binky Moon, LLC dating

datsun

// datsun : 2014-03-27 NISSAN MOTOR CO., LTD. datsun

day

// day : 2014-01-30 Charleston Road Registry Inc. day

dclk

// dclk : 2014-11-20 Charleston Road Registry Inc. dclk

dds

// dds : 2015-05-07 Minds + Machines Group Limited dds

deal

// deal : 2015-06-25 Amazon Registry Services, Inc. deal

dealer

// dealer : 2014-12-22 Intercap Registry Inc.
dubai

// duck : 2015-07-23 Johnson Shareholdings, Inc.
duck

// dunlop : 2015-07-02 The Goodyear Tire & Rubber Company
dunlop

dupont

// durban : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry
durban

// dvag : 2014-06-23 Deutsche Vermogensberatung Aktiengesellschaft DVAG
dvag

// dvr : 2016-05-26 DISH Technologies L.L.C.
dvr

// earth : 2014-12-04 Interlink Co., Ltd.
earth

// eat : 2014-01-23 Charleston Road Registry Inc.
eat

// eco : 2016-07-08 Big Room Inc.
eco

// edeka : 2014-12-18 EDEKA Verband kaufmnnischer Genossenschaften e.V.
edeka

// education : 2013-11-07 Binky Moon, LLC
education

// email : 2013-10-31 Binky Moon, LLC
eemail

// emerck : 2014-04-03 Merck KGaA
emerck

// energy : 2014-09-11 Binky Moon, LLC
energy

// engineer : 2014-03-06 Dog Beach, LLC
engineer

// engineering : 2014-03-06 Binky Moon, LLC
engineering

// enterprises : 2013-09-20 Binky Moon, LLC
enterprises

// epson : 2014-12-04 Seiko Epson Corporation
epson

// equipment : 2013-08-27 Binky Moon, LLC
equipment

// ericsson : 2015-07-09 Telefonaktiebolaget L M Ericsson
ericsson

// erni : 2014-04-03 ERNI Group Holding AG
erni

// esq : 2014-05-08 Charleston Road Registry Inc.
esq

// estate : 2013-08-27 Binky Moon, LLC
estate

// esurance : 2015-07-23 Esurance Insurance Company
esurance

// etisalat : 2015-09-03 Emirates Telecommunications Corporation (trading as Etisalat)
etisalat

eurovision

// eus : 2013-12-12 Puntueus Fundazioa
eus

// events : 2013-12-05 Binky Moon, LLC
events

// exchange : 2014-03-06 Binky Moon, LLC
exchange

// expert : 2013-11-21 Binky Moon, LLC
expert

// exposed : 2013-12-05 Binky Moon, LLC
exposed

// express : 2015-02-11 Binky Moon, LLC
express

// extraspace : 2015-05-14 Extra Space Storage LLC
extraspace

// fage : 2014-12-18 Fage International S.A.
fage

// fail : 2014-03-06 Binky Moon, LLC
fail

fairwinds

// faith : 2014-11-20 dot Faith Limited
faith

// family : 2015-04-02 Dog Beach, LLC
family

// fan : 2014-03-06 Dog Beach, LLC
fan

fans

// farm : 2013-11-07 Binky Moon, LLC
farm

// farmers : 2015-07-09 Farmers Insurance Exchange
farmers

// fashion : 2014-07-03 Minds + Machines Group Limited
fashion

// fast : 2014-12-18 Amazon Registry Services, Inc.
fast

// fedex : 2015-08-06 Federal Express Corporation
fedex

// feedback : 2013-12-19 Top Level Spectrum, Inc.
feedback

// ferrari : 2015-07-31 Fiat Chrysler Automobiles N.V.
ferrari

// ferrero : 2014-12-18 Ferrero Trading Lux S.A.
ferrero

// fiat : 2015-07-31 Fiat Chrysler Automobiles N.V.
fiat

// fidelity : 2015-07-30 Fidelity Brokerage Services LLC
fidelity

// fido : 2015-08-06 Rogers Communications Canada Inc.
fido

// film : 2015-01-08 Motion Picture Domain Registry Pty Ltd
film

// final : 2014-10-16 Ncleo de Informao e Coordenao do Ponto BR - NIC.br
final

// finance : 2014-03-20 Binky Moon, LLC
finance

// financial : 2014-03-06 Binky Moon, LLC
financial

// fire : 2015-06-25 Amazon Registry Services, Inc.
fire

// firestone : 2014-12-18 Bridgestone Licensing Services, Inc
firestone

// firmdale : 2014-03-27 Firmdale Holdings Limited
firmdale

// fish : 2013-12-12 Binky Moon, LLC
fish

// fishing : 2013-11-21 Minds + Machines Group Limited
fishing

// fit : 2014-11-07 Minds + Machines Group Limited
fit

// fitness : 2014-03-06 Binky Moon, LLC
fitness

// flickr : 2015-04-02 Yahoo! Domain Services Inc.
flickr

// flights : 2013-12-05 Binky Moon, LLC
flights

flir

// florist : 2013-11-07 Binky Moon, LLC
florist

flowers

// fly : 2014-05-08 Charleston Road Registry Inc.
fly

// foo : 2014-01-23 Charleston Road Registry Inc.
foo

// food : 2016-04-21 Lifestyle Domain Holdings, Inc.
food

// foodnetwork : 2015-07-02 Lifestyle Domain Holdings, Inc.
foodnetwork

// football : 2014-12-18 Binky Moon, LLC
football

ford

// forex : 2014-12-11 Dotforex Registry Limited
forex

// forsale : 2014-05-22 Dog Beach, LLC
forsale

// forum : 2015-04-02 Fegistry, LLC
forum

// foundation : 2013-12-05 Binky Moon, LLC
foundation

// fox : 2015-09-11 FOX Registry, LLC
fox

// free : 2015-12-10 Amazon Registry Services, Inc.
free

// fresenius : 2015-07-30 Fresenius Immobilien-Verwaltungs-GmbH
fresenius

frl

// frogans : 2013-12-19 OP3FT
frogans

// frontdoor : 2015-07-02 Lifestyle Domain Holdings, Inc.
frontdoor

// frontier : 2015-02-05 Frontier Communications Corporation
frontier

// ftr : 2015-07-16 Frontier Communications Corporation
ftr

// fujitsu : 2015-07-30 Fujitsu Limited
fujitsu

// fujixerox : 2015-07-23 Xerox DNHC LLC
fujixerox

// fun : 2016-01-14 DotSpace Inc.
fun

// fund : 2014-03-20 Binky Moon, LLC
fund

// furniture : 2014-03-20 Binky Moon, LLC
furniture

// futbol : 2013-09-20 Dog Beach, LLC
futbol

// fyi : 2015-04-02 Binky Moon, LLC
fyi

// gal : 2013-11-07 Asociacin puntoGAL
gal

// gallery : 2013-09-13 Binky Moon, LLC
gallery

gallo

// gallup : 2015-02-19 Gallup, Inc.
gallup

game

// games : 2015-05-28 Dog Beach, LLC
games

gap

garden

// gay : 2019-05-23 Top Level Design, LLC
gay

// gbiz : 2014-07-17 Charleston Road Registry Inc.
gbiz

gdn

// gea : 2014-12-04 GEA Group Aktiengesellschaft
gea

// gent : 2014-01-23 COMBELL NV
gent

// genting : 2015-03-12 Resorts World Inc Pte. Ltd.
genting

george

// ggee : 2014-01-09 GMO Internet, Inc.
ggee

// gift : 2013-10-17 DotGift, LLC
gift

// gifts : 2014-07-03 Binky Moon, LLC
gifts

// gives : 2014-03-06 Dog Beach, LLC
gives

// giving : 2014-11-13 Giving Limited
// google : 2014-07-24 Charleston Road Registry Inc.
goog

gop

// got : 2014-12-18 Amazon Registry Services, Inc.
got

// grainger : 2015-05-07 Grainger Registry Services, LLC
grainger

// graphics : 2013-09-13 Binky Moon, LLC
graphics

// gratis : 2014-03-20 Binky Moon, LLC
gratis

// green : 2014-05-08 Afilias Limited
green

// gripe : 2014-03-06 Binky Moon, LLC
gripe

// grocery : 2016-06-16 Wal-Mart Stores, Inc.
grocery

// group : 2014-08-15 Binky Moon, LLC
group

guardian

gucci

// guge : 2014-08-28 Charleston Road Registry Inc.
guge

// guide : 2013-09-13 Binky Moon, LLC
guide

// guitars : 2013-11-14 Uniregistry, Corp.
guitars

// guru : 2013-08-27 Binky Moon, LLC
guru

// hair : 2015-12-03 XYZ.COM LLC
hair

// hamburg : 2014-02-20 Hamburg Top-Level-Domain GmbH
hamburg

// hangout : 2014-11-13 Charleston Road Registry Inc.
hangout

// haus : 2013-12-05 Dog Beach, LLC
haus

// hbo : 2015-07-30 HBO Registry Services, Inc.
hbo

// hdfc : 2015-07-30 HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED
hdfc

// hdfcbank : 2015-02-12 HDFC Bank Limited
hdfcbank

// health : 2015-02-11 DotHealth, LLC
health

// healthcare : 2014-06-12 Binky Moon, LLC
healthcare

help

// helsinki : 2015-02-05 City of Helsinki
helsinki

// here : 2014-02-06 Charleston Road Registry Inc.
here

// hermes : 2014-07-10 HERMES INTERNATIONAL
hermes

// hgtv : 2015-07-02 Lifestyle Domain Holdings, Inc.
hgtv

// hiphop : 2014-03-06 Uniregistry, Corp.
hiphop

hisamitsu

hitachi

hiv

// hkt : 2015-05-14 PCCW-HKT DataCom Services Limited
hkt

// hockey : 2015-03-19 Binky Moon, LLC
hockey

// holdings : 2013-08-27 Binky Moon, LLC
holdings

// holiday : 2013-11-07 Binky Moon, LLC
holiday

// homedepot : 2015-04-02 Home Depot Product Authority, LLC
homedepot

// homegoods : 2015-07-16 The TJX Companies, Inc.
homegoods

// homes : 2014-01-09 DERHomes, LLC
homes

// homesense : 2015-07-16 The TJX Companies, Inc.
homesense

honda

// horse : 2013-11-21 Minds + Machines Group Limited
horse

// hospital : 2016-10-20 Binky Moon, LLC
hospital

// host : 2014-04-17 DotHost Inc.
host

hosting

// hot : 2015-08-27 Amazon Registry Services, Inc.
// hot

// hoteles : 2015-03-05 Travel Reservations SRL
hoteles

// hotels : 2016-04-07 Booking.com B.V.
hotels

// hotmail : 2014-12-18 Microsoft Corporation
hotmail

// house : 2013-11-07 Binky Moon, LLC
house

// how : 2014-01-23 Charleston Road Registry Inc.
how

// hsbc : 2014-10-24 HSBC Global Services (UK) Limited
hsbc

hughes

// hyatt : 2015-07-30 Hyatt GTLD, L.L.C.
hyatt

// hyundai : 2015-07-09 Hyundai Motor Company
hyundai

// ibm : 2014-07-31 International Business Machines Corporation
ibm

// icbc : 2015-02-19 Industrial and Commercial Bank of China Limited
icbc

ice

// icu : 2015-01-08 ShortDot SA
icu

// ieee : 2015-07-23 IEEE Global LLC
ieee

// ifm : 2014-01-30 ifm electronic gmbh
ifm

// ikano : 2015-07-09 Ikano S.A.
investments

// ipiranga : 2014-08-28 Ipiranga Produtos de Petroleo S.A.
   ipiranga

// irish : 2014-08-07 Binky Moon, LLC
   irish

// ismaili : 2015-08-06 Fondation Aga Khan (Aga Khan Foundation)
   ismaili

// ist : 2014-08-28 Istanbul Metropolitan Municipality
   ist

// istanbul : 2014-08-28 Istanbul Metropolitan Municipality
   istanbul

// itau : 2014-10-02 Itau Unibanco Holding S.A.
   itau

// itv : 2015-07-09 ITV Services Limited
   itv

// iveco : 2015-09-03 CNH Industrial N.V.
   iveco

// jaguar : 2014-11-13 Jaguar Land Rover Ltd
   jaguar

// java : 2014-06-19 Oracle Corporation
   java

   jcb

// jcp : 2015-04-23 JCP Media, Inc.
   jcp

// jeep : 2015-07-30 FCA US LLC.
   jeep

// jetzt : 2014-01-09 Binky Moon, LLC
   jetzt

// jewelry : 2015-03-05 Binky Moon, LLC
   jewelry

// jio : 2015-04-02 Reliance Industries Limited
jio

// jll : 2015-04-02 Jones Lang LaSalle Incorporated
jll

// jmp : 2015-03-26 Matrix IP LLC
jmp

// jnj : 2015-06-18 Johnson & Johnson Services, Inc.
nj

// joburg : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry
joburg

// jot : 2014-12-18 Amazon Registry Services, Inc.
jot

// joy : 2014-12-18 Amazon Registry Services, Inc.
joy

// jpmorgan : 2015-04-30 JPMorgan Chase Bank, National Association
jpmorgan

// jprs : 2014-09-18 Japan Registry Services Co., Ltd.
jprs

juegos

// juniper : 2015-07-30 JUNIPER NETWORKS, INC.
juniper

// Kaufen : 2013-11-07 Dog Beach, LLC
kaufen

// kddi : 2014-09-12 KDDI CORPORATION
kddi

// kerryhotels : 2015-04-30 Kerry Trading Co. Limited
kerryhotels

// kerrylogistics : 2015-04-09 Kerry Trading Co. Limited
kerrylogistics

// kerryproperties : 2015-04-09 Kerry Trading Co. Limited
kerryproperties

// kfh : 2014-12-04 Kuwait Finance House
kfh

// kia: 2015-07-09 KIA MOTORS CORPORATION
kia

// kim: 2013-09-23 Afilias Limited
kim

kinder

// kindle: 2015-06-25 Amazon Registry Services, Inc.
kindle

// kitchen: 2013-09-20 Binky Moon, LLC
kitchen

// kiwi: 2013-09-20 DOT KIWI LIMITED
kiwi

// koeln: 2014-01-09 dotKoeln GmbH
koeln

// komatsu: 2015-01-08 Komatsu Ltd.
komatsu

// kosher: 2015-08-20 Kosher Marketing Assets LLC
kosher

// kpmg: 2015-04-23 KPMG International Cooperative (KPMG International Genossenschaft)
kpmg

// kpn: 2015-01-08 Koninklijke KPN N.V.
kpn

// krd: 2013-12-05 KRG Department of Information Technology
krd

// kred: 2013-12-19 KredTLD Pty Ltd
kred

// kuokgroup: 2015-04-09 Kerry Trading Co. Limited
kuokgroup

// kyoto: 2014-11-07 Academic Institution: Kyoto Jyoho Gakuen
kyoto

// lacaixa: 2014-01-09 Fundacion Bancaria Caixa d'Estalvis i Pensions de Barcelona, la Caixa
Islaica

lamborghini

// Lamer : 2015-10-01 The Este Lauder Companies Inc.
lamer

// Lancaster : 2015-02-12 LANCASTER
lancaster

// Lancia : 2015-07-31 Fiat Chrysler Automobiles N.V.
lancia

// Land : 2013-09-10 Binky Moon, LLC
land

// Landrover : 2014-11-13 Jaguar Land Rover Ltd
landrover

// Lanxess : 2015-07-30 LANXESS Corporation
lanxess

// LaSalle : 2015-04-02 Jones Lang LaSalle Incorporated
lasalle

// Lat : 2014-10-16 ECOM-LAC Federacin de Latinoamrica y el Caribe para Internet y el Comercio Electrnico
lat

// Latino : 2015-07-30 Dish DBS Corporation
latino

// Latrobe : 2014-06-16 La Trobe University
latrobe

// Law : 2015-01-22 LW TLD Limited
law

// Lawyer : 2014-03-20 Dog Beach, LLC
lawyer

// Lds : 2014-03-20 IRI Domain Management, LLC ("Applicant")
lds

// Lease : 2014-03-06 Binky Moon, LLC
lease

lotto

// love : 2014-12-22 Merchant Law Group LLP
love

lpl

lplfinancial

// ltd : 2014-09-25 Binky Moon, LLC
ltd

// ltda : 2014-04-17 InterNetX, Corp
ltda

// lundbeck : 2015-08-06 H. Lundbeck A/S
lundbeck

// lupin : 2014-11-07 LUPIN LIMITED
lupin

// luxe : 2014-01-09 Minds + Machines Group Limited
luxe

// luxury : 2013-10-17 Luxury Partners, LLC
luxury

// macys : 2015-07-31 Macys, Inc.
macys

// madrid : 2014-05-01 Comunidad de Madrid
madrid

// maif : 2014-10-02 Mutuelle Assurance Instituteur France (MAIF)
maif

// maison : 2013-12-05 Binky Moon, LLC
maison

// makeup : 2015-01-15 XYZ.COM LLC
makeup

// man : 2014-12-04 MAN SE
man

// management : 2013-11-07 Binky Moon, LLC
meme

// memorial : 2014-10-16 Dog Beach, LLC
memorial

// men : 2015-02-26 Exclusive Registry Limited
men

// menu : 2013-09-11 Dot Menu Registry, LLC
menu

// merckmsd : 2016-07-14 MSD Registry Holdings, Inc.
merckmsd

// metlife : 2015-05-07 MetLife Services and Solutions, LLC
metlife

// miami : 2013-12-19 Minds + Machines Group Limited
miami

// microsoft : 2014-12-18 Microsoft Corporation
microsoft

// mini : 2014-01-09 Bayerische Motoren Werke Aktiengesellschaft
mini

mint

// mit : 2015-07-02 Massachusetts Institute of Technology
mit

// mitsubishi : 2015-07-23 Mitsubishi Corporation
mitsubishi

// mlb : 2015-05-21 MLB Advanced Media DH, LLC
mlb

// mls : 2015-04-23 The Canadian Real Estate Association
mls

// mma : 2014-11-07 MMA IARD
mma

// mobile : 2016-06-02 Dish DBS Corporation
mobile
// now : 2015-06-25 Amazon Registry Services, Inc.
now

nowruz

// nowtv : 2015-05-14 Starbucks (HK) Limited
nowtv

nra

// nrw : 2013-11-21 Minds + Machines GmbH
nrw

// ntt : 2014-10-31 NIPPON TELEGRAPH AND TELEPHONE CORPORATION
ntt

// nyc : 2014-01-23 The City of New York by and through the New York City Department of Information Technology & Telecommunications
nyc

// obi : 2014-09-25 OBI Group Holding SE & Co. KGaA
obi

// observer : 2015-04-30 Top Level Spectrum, Inc.
observer

// off : 2015-07-23 Johnson Shareholdings, Inc.
off

// office : 2015-03-12 Microsoft Corporation
office

// okinawa : 2013-12-05 BRregistry, Inc.
okinawa

// olayan : 2015-05-14 Crescent Holding GmbH
olayan

// olayangroup : 2015-05-14 Crescent Holding GmbH
olayangroup

oldnavy

// ollo : 2015-06-04 Dish DBS Corporation
ollo

// omega : 2015-01-08 The Swatch Group Ltd
omega

// one : 2014-11-07 One.com A/S
one

// ong : 2014-03-06 Public Interest Registry
ong

// onl : 2013-09-16 I-Registry Ltd.
onl

// online : 2015-01-15 DotOnline Inc.
online

// onyourside : 2015-07-23 Nationwide Mutual Insurance Company
onyourside

// ooo : 2014-01-09 INFIBEAM AVENUES LIMITED
ooo

// open : 2015-07-31 American Express Travel Related Services Company, Inc.
open

// oracle : 2014-06-19 Oracle Corporation
oracle

// orange : 2015-03-12 Orange Brand Services Limited
orange

organic

// origins : 2015-10-01 The Este Lauder Companies Inc.
origins

// osaka : 2014-09-04 Osaka Registry Co., Ltd.
osaka

// otsuka : 2013-10-11 Otsuka Holdings Co., Ltd.
otsuka

// ott : 2015-06-04 Dish DBS Corporation
ott

// ovh : 2014-01-16 MdiaBC
playstation

// plumbing : 2013-09-10 Binky Moon, LLC
plumbing

// plus : 2015-02-05 Binky Moon, LLC
plus

// pnc : 2015-07-02 PNC Domain Co., LLC
pnc

// pohl : 2014-06-23 Deutsche Vermogensberatung Aktiengesellschaft DVAG
pohl

// poker : 2014-07-03 Afilias Limited
poker

// politie : 2015-08-20 Politie Nederland
politie

// porn : 2014-10-16 ICM Registry PN LLC
porn

pramerica

// praxi : 2013-12-05 Praxi S.p.A.
praxi

press

// prime : 2015-06-25 Amazon Registry Services, Inc.
prime

// prod : 2014-01-23 Charleston Road Registry Inc.
prod

// productions : 2013-12-05 Binky Moon, LLC
productions

prof

// progressive : 2015-07-23 Progressive Casualty Insurance Company
progressive

// promo : 2014-12-18 Afilias Limited
// properties : 2013-12-05 Binky Moon, LLC
properties

property

// protection : 2015-04-23 XYZ.COM LLC
protection

pru

prudential

// pub : 2013-12-12 Dog Beach, LLC
pub

// pwc : 2015-10-29 PricewaterhouseCoopers LLP
pwc

qpon

// quebec : 2013-12-19 PointQubec Inc
quebec

// quest : 2015-03-26 XYZ.COM LLC
quest

qvc

// racing : 2014-12-04 Premier Registry Limited
racing

// radio : 2016-07-21 European Broadcasting Union (EBU)
radio

// raid : 2015-07-23 Johnson Shareholdings, Inc.
raid

// read : 2014-12-18 Amazon Registry Services, Inc.
read

// realestate : 2015-09-11 dotRealEstate LLC
realestate

// realtor : 2014-05-29 Real Estate Domains LLC
realtor

// realty : 2015-03-19 Fegistry, LLC
realty

// recipes : 2013-10-17 Binky Moon, LLC
recipes

// red : 2013-11-07 Afilias Limited
red

redstone

// redumbrella : 2015-03-26 Travelers TLD, LLC
redumbrella

// rehab : 2014-03-06 Dog Beach, LLC
rehab

// reise : 2014-03-13 Binky Moon, LLC
reise

// reisen : 2014-03-06 Binky Moon, LLC
reisen

reit

// reliance : 2015-04-02 Reliance Industries Limited
reliance

// ren : 2013-12-12 ZDNS International Limited
ren

// rent : 2014-12-04 XYZ.COM LLC
rent

// rentals : 2013-12-05 Binky Moon, LLC
rentals

// repair : 2013-11-07 Binky Moon, LLC
repair

// report : 2013-12-05 Binky Moon, LLC
rocks

// rodeo : 2013-12-19 Minds + Machines Group Limited
rodeo

// rogers : 2015-08-06 Rogers Communications Canada Inc.
rogers

// room : 2014-12-18 Amazon Registry Services, Inc.
room

// rsvp : 2014-05-08 Charleston Road Registry Inc.
rsvp

// rugby : 2016-12-15 World Rugby Strategic Developments Limited
rugby

// ruhr : 2013-10-02 regiodot GmbH & Co. KG
ruhr

// run : 2015-03-19 Binky Moon, LLC
run

// rwe : 2015-04-02 RWE AG
rwe

// ryukyu : 2014-01-09 BRregistry, Inc.
ryukyu

// saarland : 2013-12-12 dotSaarland GmbH
saarland

// safe : 2014-12-18 Amazon Registry Services, Inc.
safe

// safety : 2015-01-08 Safety Registry Services, LLC.
safety

// sakura : 2014-12-18 SAKURA Internet Inc.
sakura

// sale : 2014-10-16 Dog Beach, LLC
sale

// salon : 2014-12-11 Binky Moon, LLC
salon

scholarships

// school : 2014-12-18 Binky Moon, LLC
school

// schule : 2014-03-06 Binky Moon, LLC
schule

// schwarz : 2014-09-18 Schwarz Domains und Services GmbH & Co. KG
schwarz

// science : 2014-09-11 dot Science Limited
science

// scjohnson : 2015-07-23 Johnson Shareholdings, Inc.
scjohnson

// scor : 2014-10-31 SCOR SE
scor

// scot : 2014-01-23 Dot Scot Registry Limited
scot

// search : 2016-06-09 Charleston Road Registry Inc.
search

seat

// secure : 2015-08-27 Amazon Registry Services, Inc.
secure

// security : 2015-05-14 XYZ.COM LLC
security

// seek : 2014-12-04 Seek Limited
seek

// select : 2015-10-08 Registry Services, LLC
select

sener

// services : 2014-02-27 Binky Moon, LLC
services

// ses : 2015-07-23 SES
ses

// seven : 2015-08-06 Seven West Media Ltd
seven

// sew : 2014-07-17 SEW-EURODRIVE GmbH & Co KG
sew

// sex : 2014-11-13 ICM Registry SX LLC
sex

// sexy : 2013-09-11 Uniregistry, Corp.
sexy

// sfr : 2015-08-13 Societe Francaise du Radiotelephone - SFR
sfr

// shangrila : 2015-09-03 ShangriLa International Hotel Management Limited
shangrila

// sharp : 2014-05-01 Sharp Corporation
sharp

// shaw : 2015-04-23 Shaw Cablesystems G.P.
shaw

// shell : 2015-07-30 Shell Information Technology International Inc
shell

shia

// shiksha : 2013-11-14 Afilias Limited
shiksha

// shoes : 2013-10-02 Binky Moon, LLC
shoes

// shop : 2016-04-08 GMO Registry, Inc.
shop

// shopping : 2016-03-31 Binky Moon, LLC
shopping

// shouji : 2015-01-08 QIHOO 360 TECHNOLOGY CO. LTD.
shouji

// show : 2015-03-05 Binky Moon, LLC
show

// showtime : 2015-08-06 CBS Domains Inc.
showtime

// shriram : 2014-01-23 Shriram Capital Ltd.
shriram

// silk : 2015-06-25 Amazon Registry Services, Inc.
silk

// sina : 2015-03-12 Sina Corporation
sina

// singles : 2013-08-27 Binky Moon, LLC
singles

// site : 2015-01-15 DotSite Inc.
site

// ski : 2015-04-09 Afilias Limited
ski

// skin : 2015-01-15 XYZ.COM LLC
skin

sky

// skype : 2014-12-18 Microsoft Corporation
skype

// sling : 2015-07-30 DISH Technologies L.L.C.
sling

// smart : 2015-07-09 Smart Communications, Inc. (SMART)
smart

// smile : 2014-12-18 Amazon Registry Services, Inc.
smile

// sncf : 2015-02-19 Société Nationale des Chemins de fer Français S N C F
snuf

// soccer : 2015-03-26 Binky Moon, LLC
soccer

// social : 2013-11-07 Dog Beach, LLC
social

softbank

// software : 2014-03-20 Dog Beach, LLC
software

// sohu : 2013-12-19 Sohu.com Limited
sohu

// solar : 2013-11-07 Binky Moon, LLC
solar

// solutions : 2013-11-07 Binky Moon, LLC
solutions

// song : 2015-02-26 Amazon Registry Services, Inc.
song

// sony : 2015-01-08 Sony Corporation
sony

// soy : 2014-01-23 Charleston Road Registry Inc.
soy

// spa : 2019-09-19 Asia Spa and Wellness Promotion Council Limited
spa

// space : 2014-04-03 DotSpace Inc.
space

sport

// spot : 2015-02-26 Amazon Registry Services, Inc.
spot

// spreadbetting : 2014-12-11 Dotspreadbetting Registry Limited
spreadbetting

// srl : 2015-05-07 InterNetX, Corp
srl

// stada : 2014-11-13 STADA Arzneimittel AG
stada

staples

// star : 2015-01-08 Star India Private Limited
star

// statebank : 2015-03-12 STATE BANK OF INDIA
statebank

// statefarm : 2015-07-30 State Farm Mutual Automobile Insurance Company
statefarm

// stc : 2014-10-09 Saudi Telecom Company
stc

// stcgroup : 2014-10-09 Saudi Telecom Company
stcgroup

// stockholm : 2014-12-18 Stockholms kommun
stockholm

// storage : 2014-12-22 XYZ.COM LLC
storage

// store : 2015-04-09 DotStore Inc.
store

// stream : 2016-01-08 dot Stream Limited
stream

// studio : 2015-02-11 Dog Beach, LLC
studio

// study : 2014-12-11 OPEN UNIVERSITIES AUSTRALIA PTY LTD
study

// style : 2014-12-04 Binky Moon, LLC
style

// sucks : 2014-12-22 Vox Populi Registry Ltd.
sucks

// supplies : 2013-12-19 Binky Moon, LLC
supplies

// supply : 2013-12-19 Binky Moon, LLC
supply

// support : 2013-10-24 Binky Moon, LLC
support

// surf : 2014-01-09 Minds + Machines Group Limited
surf

// surgery : 2014-03-20 Binky Moon, LLC
surgery

// suzuki : 2014-02-20 SUZUKI MOTOR CORPORATION
suzuki

// swatch : 2015-01-08 The Swatch Group Ltd
swatch

// swiftcover : 2015-07-23 Swiftcover Insurance Services Limited
swiftcover

// swiss : 2014-10-16 Swiss Confederation
swiss

// sydney : 2014-09-18 State of New South Wales, Department of Premier and Cabinet
sydney

// symantec : 2014-12-04 Symantec Corporation
symantec

// systems : 2013-11-07 Binky Moon, LLC
systems

// tab : 2014-12-04 Tabcorp Holdings Limited
tab

// taipei : 2014-07-10 Taipei City Government
taipei

// talk : 2015-04-09 Amazon Registry Services, Inc.
talk

// taobao : 2015-01-15 Alibaba Group Holding Limited
taobao

// target : 2015-07-31 Target Domain Holdings, LLC
target

// tatamotors : 2015-03-12 Tata Motors Ltd
tatamotors

// tatar : 2014-04-24 Limited Liability Company "Coordination Center of Regional Domain of Tatarstan Republic"
tickets

// tienda : 2013-11-14 Binky Moon, LLC
tienda

// tiffany : 2015-01-30 Tiffany and Company
tiffany

// tips : 2013-09-20 Binky Moon, LLC
tips

// tires : 2014-11-07 Binky Moon, LLC
tires

tirol

// tjmaxx : 2015-07-16 The TJX Companies, Inc.
tjmaxx

// tjx : 2015-07-16 The TJX Companies, Inc.
tjx

// tkmaxx : 2015-07-16 The TJX Companies, Inc.
tkmaxx

// tmall : 2015-01-15 Alibaba Group Holding Limited
 tmall

// today : 2013-09-20 Binky Moon, LLC
today

tokyo

// tools : 2013-11-21 Binky Moon, LLC
tools

// top : 2014-03-20 .TOP Registry
top

toray

// toshiba : 2014-04-10 TOSHIBA Corporation
toshiba

// total : 2015-08-06 Total SA
vodka

// volkswagen : 2015-05-14 Volkswagen Group of America Inc.
volkswagen

// volvo : 2015-11-12 Volvo Holding Sverige Aktiebolag
volvo

// vote : 2013-11-21 Monolith Registry LLC
vote

voting

// voto : 2013-11-21 Monolith Registry LLC
voto

// voyage : 2013-08-27 Binky Moon, LLC
voyage

// vuelos : 2015-03-05 Travel Reservations SRL
vuelos

wales

walmart

// walter : 2014-11-13 Sandvik AB
walter

wang

// wanggou : 2014-12-18 Amazon Registry Services, Inc.
wanggou

// watch : 2013-11-14 Binky Moon, LLC
watch

// watches : 2014-12-22 Richemont DNS Inc.
watches

// weather : 2015-01-08 International Business Machines Corporation
weather

// weatherchannel : 2015-03-12 International Business Machines Corporation
weatherchannel

// webcam : 2014-01-23 dot Webcam Limited
webcam

// weber : 2015-06-04 Saint-Gobain Weber SA
weber

// website : 2014-04-03 DotWebsite Inc.
website

// wed : 2013-10-01 Atgron, Inc.
wed

wedding

// weibo : 2015-03-05 Sina Corporation
weibo

// weir : 2015-01-29 Weir Group IP Limited
weir

// whoswho : 2014-02-20 Who's Who Registry
whoswho

// wien : 2013-10-28 punkt.wien GmbH
wien

// wiki : 2013-11-07 Top Level Design, LLC
wiki

williamhill

// win : 2014-11-20 First Registry Limited
win

// windows : 2014-12-18 Microsoft Corporation
windows

// wine : 2015-06-18 Binky Moon, LLC
wine

// winners : 2015-07-16 The TJX Companies, Inc.
winners

// xn--30rr7y : 2014-06-12 Excellent First Limited

// xn--3bst00m : 2013-09-13 Eagle Horizon Limited

// xn--3ds443g : 2013-09-08 TLD REGISTRY LIMITED OY

// xn--3oq18vl8pn36a : 2015-07-02 Volkswagen (China) Investment Co., Ltd.

// xn--3pxu8k : 2015-01-15 VeriSign Sarl

// xn--42c2d9a : 2015-01-15 VeriSign Sarl

// xn--45q11c : 2013-11-21 Zodiac Gemini Ltd

// xn--4gbrim : 2013-10-04 Fans TLD Limited

// xn--55qw42g : 2013-11-08 China Organizational Name Administration Center

// xn--55qx5d : 2013-11-14 China Internet Network Information Center (CNNIC)

// xn--5su34j936bgsg : 2015-09-03 ShangriLa International Hotel Management Limited

// xn--5tzm5g : 2014-12-22 Global Website TLD Asia Limited

// xn--6frz82g : 2013-09-23 Afilias Limited

// xn--6qq986b3xl : 2013-09-13 Tycoon Treasure Limited

// xn--80adxhks : 2013-12-19 Foundation for Assistance for Internet Technologies and Infrastructure Development (FAITID)
// xn--czru2d : 2013-11-21 Zodiac Aquarius Limited

// xn--d1acj3b : 2013-11-20 The Foundation for Network Initiatives The Smart Internet

// xn--eckvdtc9d : 2014-12-18 Amazon Registry Services, Inc.

// xn--efvy88h : 2014-08-22 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--estv75g : 2015-02-19 Industrial and Commercial Bank of China Limited

// xn--fct429k : 2015-04-09 Amazon Registry Services, Inc.

// xn--fhbei : 2015-01-15 VeriSign Sarl

// xn--fiq228c5hs : 2013-09-08 TLD REGISTRY LIMITED OY

// xn--fiq64b : 2013-10-14 CITIC Group Corporation

// xn--fjq720a : 2014-05-22 Binky Moon, LLC

// xn--flw351e : 2014-07-31 Charleston Road Registry Inc.

// xn--fzys8d69uvgm : 2015-05-14 PCCW Enterprises Limited

// xn--g2xx48c : 2015-01-30 Minds + Machines Group Limited

// xn--gckr3f0f : 2015-02-26 Amazon Registry Services, Inc.

// xn--gk3at1e : 2015-10-08 Amazon Registry Services, Inc.


// xn--mk1bu44c : 2015-01-15 VeriSign Sarl

// xn--mtq1m : 2014-03-06 Net-Chinese Co., Ltd.


// xn--ngbe9e0a : 2014-12-04 Kuwait Finance House

// xn--ngbrx : 2015-11-12 League of Arab States

// xn--nqv7f : 2013-11-14 Public Interest Registry

// xn--nqv7fs00ema : 2013-11-14 Public Interest Registry

// xn--nyqy26a : 2014-11-07 Stable Tone Limited

// xn--otu796d : 2017-08-06 Jiang Yu Liang Cai Technology Company Limited

// xn--p1acf : 2013-12-12 Rusnames Limited

// xn--pbt977c : 2014-12-22 Richemont DNS Inc.

// xn--pssy2u : 2015-01-15 VeriSign Sarl

// xn--q9jyb4c : 2013-09-17 Charleston Road Registry Inc.

// xn--qcka1pmc : 2014-07-31 Charleston Road Registry Inc.

// xn--rhqv96g : 2013-09-11 Stable Tone Limited
// xn--rovu88b : 2015-02-26 Amazon Registry Services, Inc.

// xn--ses554g : 2014-01-16 KNET Co., Ltd.

// xn--t60b56a : 2015-01-15 VeriSign Sarl

// xn--tckwe : 2015-01-15 VeriSign Sarl


// xn--unup4y : 2013-07-14 Binky Moon, LLC

// xn--vermgensberater-ctb : 2014-06-23 Deutsche Vermgensberatung Aktiengesellschaft DVAG vermgensberater

// xn--vermgensberatung-pwb : 2014-06-23 Deutsche Vermgensberatung Aktiengesellschaft DVAG vermgensberatung

// xn--vhquv : 2013-08-27 Binky Moon, LLC


// xn--w4r85el8fhudnra : 2015-04-30 Kerry Trading Co. Limited

// xn--w4rs4ol : 2015-07-30 Kerry Trading Co. Limited

// xn--xhq521b : 2013-11-14 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--zfr164b : 2013-11-08 China Organizational Name Administration Center

// xyz : 2013-12-05 XYZ.COM LLC

xyz
// ===END ICANN DOMAINS===
// ===BEGIN PRIVATE DOMAINS===
// (Note: these are in alphabetical order by company name)

// 1GB LLC : https://www.1gb.ua/
// Submitted by 1GB LLC <noc@1gb.com.ua>
cc.ua
inf.ua
ltd.ua

// Adobe : https://www.adobe.com/
// Submitted by Ian Boston <boston@adobe.com>
adobeatemcloud.com
adobeatemcloud.net
*.dev.adobeatemcloud.com

// Agnat sp. z o.o. : https://domena.pl
// Submitted by Przemyslaw Plewa <it-admin@domena.pl>
beep.pl

// alboto.ca : http://alboto.ca
// Submitted by Anton Avramov <avramov@alboto.ca>
barsy.ca

// Alces Software Ltd : http://alces-software.com
// Submitted by Mark J. Titorenko <mark.titorenko@alces-software.com>
*.compute.estate
*.alces.network

// Altervista: https://www.altervista.org
// Submitted by Carlo Cannas <tech_staff@altervista.it>
altervista.org

// alwaysdata : https://www.alwaysdata.com
// Submitted by Cyril <admin@alwaysdata.com>
alwaysdata.net

// Amazon CloudFront : https://aws.amazon.com/cloudfront/
// Submitted by Donavan Miller <donavanm@amazon.com>
cloudfront.net

// Amazon Elastic Compute Cloud : https://aws.amazon.com/ec2/
// Submitted by Luke Wells <psl-maintainers@amazon.com>
*.compute.amazonaws.com
*.compute-1.amazonaws.com
*.compute.amazonaws.com.cn
us-east-1.amazonaws.com
s3-us-west-2.amazonaws.com
s3.ap-northeast-2.amazonaws.com
s3.ap-south-1.amazonaws.com
s3.cn-north-1.amazonaws.com.cn
s3.ca-central-1.amazonaws.com
s3.eu-central-1.amazonaws.com
s3.eu-west-2.amazonaws.com
s3.eu-west-3.amazonaws.com
s3.us-east-2.amazonaws.com
s3.dualstack.ap-northeast-1.amazonaws.com
s3.dualstack.ap-northeast-2.amazonaws.com
s3.dualstack.ap-south-1.amazonaws.com
s3.dualstack.ap-southeast-1.amazonaws.com
s3.dualstack.ap-southeast-2.amazonaws.com
s3.dualstack.ca-central-1.amazonaws.com
s3.dualstack.eu-central-1.amazonaws.com
s3.dualstack.eu-west-1.amazonaws.com
s3.dualstack.eu-west-2.amazonaws.com
s3.dualstack.eu-west-3.amazonaws.com
s3.dualstack.sa-east-1.amazonaws.com
s3.dualstack.us-east-1.amazonaws.com
s3.dualstack.us-east-2.amazonaws.com
s3-website-us-east-1.amazonaws.com
s3-website-us-east-2.amazonaws.com
s3-website-us-west-1.amazonaws.com
s3-website-us-west-2.amazonaws.com
s3-website-ap-northeast-1.amazonaws.com
s3-website-ap-northeast-2.amazonaws.com
s3-website-ap-southeast-1.amazonaws.com
s3-website-ap-southeast-2.amazonaws.com
s3-website-eu-west-1.amazonaws.com
s3-website-sa-east-1.amazonaws.com
s3-website.ap-northeast-2.amazonaws.com
s3-website.ap-south-1.amazonaws.com
s3-website.ca-central-1.amazonaws.com
s3-website.eu-central-1.amazonaws.com
s3-website.eu-west-2.amazonaws.com
s3-website.eu-west-3.amazonaws.com
s3-website.eu-west-1.amazonaws.com
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s3-website.us-east-2.amazonaws.com

// Amsterdam Wireless: https://www.amsterdamwireless.nl/
// Submitted by Imre Jonk <hostmaster@amsterdamwireless.nl>
amsw.nl

// Amune : https://amune.org/
// Submitted by Team Amune <cert@amune.org>
t3l3p0rt.net
tele.amune.org

// Apigee : https://apigee.com/
// Submitted by Apigee Security Team <security@apigee.com>
apigee.io

// Aptible : https://www.aptible.com/
// Submitted by Thomas Orozco <thomas@aptible.com>
on-aptible.com

// ASEINet : https://www.aseinet.com/
// Submitted by Asei SEKIGUCHI <mail@aseinet.com>
user.aseinet.ne.jp
gv.vc
d.gv.vc

// Asociacin Amigos de la Informtica "Euskalamiga" : http://encounter.eus/
// Submitted by Hector Martin <marcan@euskalencounter.org>
user.party.eus

// Association potager.org : https://potager.org/
// Submitted by Lunar <jardiniers@potager.org>
pimienta.org
poivron.org
potager.org
sweetpepper.org

// ASUSTOR Inc. : http://www.asustor.com
// Submitted by Vincent Tseng <vincenttseng@asustor.com>
myasustor.com

// AVM : https://avm.de
// Submitted by Andreas Weise <a.weise@avm.de>
myfritz.net

// AW AdvisorWebsites.com Software Inc : https://advisorwebsites.com
// Submitted by James Kennedy <domains@advisorwebsites.com>
*.awdev.ca
*.advisor.ws

// b-data GmbH : https://www.b-data.io
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b-data.io

// backplane : https://www.backplane.io
// Submitted by Anthony Voutas <anthony@backplane.io>
backplaneapp.io

// Balena : https://www.balena.io
// Submitted by Petros Angelatos <petrosagg@balena.io>
balena-devices.com
// US REGISTRY LLC : http://us.org
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
us.org

// co.com Registry, LLC : https://registry.co.com
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
co.com

// c.la : http://www.c.la/
c.la

// certmgr.org : https://certmgr.org
// Submitted by B. Blechschmidt <hostmaster@certmgr.org>
certmgr.org

// Citrix : https://citrix.com
// Submitted by Alex Stoddard <alex.stoddard@citrix.com>
xenapponazure.com

// Civilized Discourse Construction Kit, Inc. : https://www.discourse.org/
// Submitted by Rishabh Nambiar & Michael Brown <team@discourse.org>
discourse.group
discourse.team

// ClearVox : http://www.clearvox.nl/
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virtueeldomein.nl

// Clever Cloud : https://www.clever-cloud.com/
// Submitted by Quentin Adam <noc@clever-cloud.com>
cleverapps.io

// Clerk : https://www.clerk.dev
// Submitted by Colin Sidoti <colin@clerk.dev>
*.lcl.dev
*.stg.dev

// Cloud66 : https://www.cloud66.com/
// Submitted by Khash Sajadi <khash@cloud66.com>
c66.me
cloud66.ws
cloud66.zone

// CloudAccess.net : https://www.cloudaccess.net/
// Submitted by Pawel Panek <noc@cloudaccess.net>
jdevcloud.com
wpdevcloud.com
cloudaccess.host
cloudeity.net

// CNPY : https://cnpy.gdn
// Submitted by Angelo Gladding <angelo@lahacker.net>
cnpy.gdn

// CoDNS B.V.
co.nl
co.no

// Combell.com : https://www.combell.com
// Submitted by Thomas Wouters <thomas.wouters@combellgroup.com>
webhosting.be
hosting-cluster.nl

// Coordination Center for TLD RU and XN--P1AI : https://cctld.ru/en/domains/domens_ru/reserved/
// Submitted by George Georgievsky <gug@cctld.ru>
ac.ru
edu.ru
gov.ru
int.ru
mil.ru
test.ru

// COSIMO GmbH : http://www.cosimo.de
// Submitted by Rene Marticke <rmarticke@cosimo.de>
dyn.cosidns.de
dynamisches-dns.de
dnsupdater.de
internet-dns.de
l-o-g-i-n.de
dynamic-dns.info
feste-ip.net
knx-server.net
static-access.net

// Craynic, s.r.o. : http://www.craynic.com/
// Submitted by Ales Krajnik <ales.krajnik@craynic.com>
realm.cz
// Cryptonomic : https://cryptonomic.net/
// Submitted by Andrew Cady <public-suffix-list@cryptonomic.net>
*.cryptonomic.net

// Cupcake : https://cupcake.io/
// Submitted by Jonathan Rudenberg <jonathan@cupcake.io>
cupcake.is

// Submitted by Gregory Drake <support@dyn.com>
// Note: This is intended to also include customer-oci.com due to wildcards implicitly including the current label
*.customer-oci.com
*.oci.customer-oci.com
*.ocp.customer-oci.com
*.ocs.customer-oci.com

// cyon GmbH : https://www.cyon.ch/
// Submitted by Dominic Luechinger <dol@cyon.ch>
cyon.link
cyon.site

// Daplie, Inc : https://daplie.com
// Submitted by AJ O'Neal <aj@daplie.com>
daplie.me
localhost.daplie.me

// Datto, Inc. : https://www.datto.com/
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dattolocal.com
dattorelay.com
dattoweb.com
mydatto.com
dattolocal.net
mydatto.net

// Dansk.net : http://www.dansk.net/
// Submitted by Anani Voule <digital@digital.co.dk>
biz.dk
c.co.dk
firm.dk
reg.dk
store.dk

// dapps.earth : https://dapps.earth/
// Submitted by Daniil Burdakov <icqkill@gmail.com>
*.dapps.earth
*.bzz.dapps.earth
// Dark, Inc. : https://darklang.com
// Submitted by Paul Biggar <ops@darklang.com>
builtwithdark.com

// Datawire, Inc : https://www.datawire.io
// Submitted by Richard Li <secaalert@datawire.io>
edgestack.me

// Debian : https://www.debian.org/
// Submitted by Peter Palfrader / Debian Sysadmin Team <dsa-publicsuffixlist@debian.org>
debian.net

// deSEC : https://desec.io/
// Submitted by Peter Thomassen <peter@desec.io>
dedyn.io

// DNSHome : https://www.dnshome.de/
// Submitted by Norbert Auler <mail@dnshome.de>
dnshome.de

// DotArai : https://www.dotarai.com/
// Submitted by Atsadawat Netcharadsang <atsadawat@dotarai.co.th>
online.th
shop.th

// DrayTek Corp. : https://www.draytek.com/
// Submitted by Paul Fang <mis@draytek.com>
drayddns.com

// DreamHost : http://www.dreamhost.com/
// Submitted by Andrew Farmer <andrew.farmer@dreamhost.com>
dreamhosters.com

// Drobo : http://www.drobo.com/
// Submitted by Ricardo Padilha <rpadilha@drobo.com>
mydrobo.com

// Drud Holdings, LLC. : https://www.drud.com/
// Submitted by Kevin Bridges <kevin@drud.com>
drud.io
drud.us

// DuckDNS : http://www.duckdns.org/
// Submitted by Richard Harper <richard@duckdns.org>
duckdns.org

// dy.fi : http://dy.fi/
// Submitted by Heikki Hannikainen <hessu@hes.iki.fi>
dy.fi
tunk.org

dyndns-at-home.com
dyndns-at-work.com
dyndns-blog.com
dyndns-free.com
dyndns-home.com
dyndns-ip.com
dyndns-mail.com
dyndns-office.com
dyndns-pics.com
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ath.cx
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iamallama.com
in-the-band.net
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is-a-candidate.org
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is-a-chef.com
is-a-chef.net
is-a-chef.org
is-a-conservative.com
is-a-cpa.com
is-a-cubicle-slave.com
is-a-democrat.com
is-a-designer.com
is-a-doctor.com
is-a-financialadvisor.com
is-a-geek.com
is-a-geek.net
is-a-geek.org
is-a-green.com
is-a-guru.com
is-a-hard-worker.com
is-a-hunter.com
is-a-knight.org
is-a-landscaper.com
is-a-lawyer.com
is-a-liberal.com
is-a-libertarian.com
is-a-linux-user.org
is-a-llama.com
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is-a-nascarfan.com
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is-a-photographer.com
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is-a-rockstar.com
merseine.nu
mine.nu
misconfused.org
mypets.ws
myphotos.cc
neat-url.com
office-on-the.net
on-the-web.tv
podzone.net
podzone.org
readmyblog.org
saves-the-whales.com
scrapper-site.net
scrapping.cc
selfip.biz
selfip.com
selfip.info
selfip.net
selfip.org
sells-for-less.com
sells-for-u.com
sells-it.net
sellsyourhome.org
servebbs.com
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servebbs.org
serveftp.net
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servegame.org
shacknet.nu
simple-url.com
space-to-rent.com
stuff-4-sale.org
stuff-4-sale.us
teaches-yoga.com
thruhere.net
traeumtgerade.de
webhop.biz
webhop.info
webhop.net
webhop.org
worse-than.tv
writesthisblog.com

// ddns.de : https://www.ddns.de/
// Submitted by Robert Niedziela <webmaster@ddns.de>

ddns.de
dyn.ddns.de
dyndns.ddns.de
dyndns1.de
dyn-ip24.de
home-webserver.de
dyn.home-webserver.de
myhome-server.de
ddnss.org

// Definima : http://www.definima.com/
// Submitted by Maxence Bitterli <maxence@definima.com>
definima.net
definima.io

// dnstrace.pro : https://dnstrace.pro/
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// Dynu.com : https://www.dynu.com/
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ddnsfree.com
ddnsgeek.com
giize.com
gleeze.com
kozow.com
loseyourip.com
ooguy.com
theworkpc.com
casacam.net
dynu.net
accesscam.org
camdvr.org
freeddns.org
mywire.org
webredirect.org
myddns.rocks
blogsite.xyz

// dynv6 : https://dynv6.com
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dynv6.net

// E4YOU spol. s.r.o. : https://e4you.cz/
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// En root : https://en-root.org
// Submitted by Emmanuel Raviart <emmanuel@raviart.com>
en-root.fr
// Enalean SAS: https://www.enalean.com
// Submitted by Thomas Cottier <thomas.cottier@enalean.com>
mytuleap.com

// ECG Robotics, Inc: https://ecgrobotics.org
// Submitted by <frc1533@ecgrobotics.org>
onred.one
staging.onred.one

// Enonic : http://enonic.com/
// Submitted by Erik Kaareng-Sunde <esu@enonic.com>
enonic.io
customer.enonic.io

// EU.org https://eu.org/
// Submitted by Pierre Beyssac <hostmaster@eu.org>
eu.org
al.eu.org
asso.eu.org
at.eu.org
au.eu.org
be.eu.org
bg.eu.org
cz.eu.org
cd.eu.org
ch.eu.org
cn.eu.org
cy.eu.org
cz.eu.org
dk.eu.org
edu.eu.org
ee.eu.org
es.eu.org
fi.eu.org
fr.eu.org
gr.eu.org
hr.eu.org
hu.eu.org
ie.eu.org
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in.eu.org
int.eu.org
is.eu.org
it.eu.org
jp.eu.org
kr.eu.org
lt.eu.org
lu.eu.org
lv.eu.org
mc.eu.org
me.eu.org
mk.eu.org
mt.eu.org
my.eu.org
net.eu.org
ng.eu.org
nl.eu.org
no.eu.org
nz.eu.org
paris.eu.org
pl.eu.org
pt.eu.org
q-a.eu.org
ro.eu.org
ru.eu.org
se.eu.org
si.eu.org
sk.eu.org
tr.eu.org
uk.eu.org
us.eu.org

// Evennode : http://www.evennode.com/
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eu-1.evennode.com
eu-2.evennode.com
eu-3.evennode.com
eu-4.evennode.com
us-1.evennode.com
us-2.evennode.com
us-3.evennode.com
us-4.evennode.com

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// Submitted by C.S. chang <cschang@corp.url.com.tw>
twmail.cc
twmail.net
twmail.org
mymailer.com.tw
url.tw

// Facebook, Inc.
// Submitted by Peter Ruibal <public-suffix@fb.com>
apps.fbsbx.com
FAITID : https://faitid.org/
Submitted by Maxim Alzoba <tech.contact@faitid.org>
https://www.flexireg.net/stat_info
ru.net
adygeya.ru
bashkiria.ru
bir.ru
chb.ru
com.ru
dagestan.ru
grozny.ru
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bukhara.su
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east-kazakhstan.su
exnet.su
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grozny.su
ivanovo.su
jambyl.su
kalmykia.su
kaluga.su
karacol.su
karaganda.su
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fastpanel.direct
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fedorapeople.org
cloud.fedoraproject.org
app.os.fedoraproject.org
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filegear.me
filegear-au.me
filegear-de.me
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filegear-ie.me
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// Flynn : https://flynn.io
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0e.vc

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freebox-os.com
freeboxos.com
fbx-os.fr
fbxos.fr
freebox-os.fr
freeboxos.fr

// freedesktop.org : https://www.freedesktop.org
// Submitted by Daniel Stone <daniel@fooishbar.org>
freedesktop.org

// Futureweb OG : http://www.futureweb.at
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*.futurecms.at
*.ex.futurecms.at
*.in.futurecms.at
futurehosting.at
futuremailing.at
*.ex.ortsinfo.at
*.kunden.ortsinfo.at
*.statics.cloud

// GDS : https://www.gov.uk/service-manual/operations/operating-servicegovuk-subdomains
// Submitted by David Illsley <david.illsley@digital.cabinet-office.gov.uk>
service.gov.uk

// Gehirn Inc. : https://www.gehirn.co.jp/
// Submitted by Kohei YOSHIDA <tech@gehirn.co.jp>
gehirn.ne.jp
usercontent.jp

// Gentlent, Inc. : https://www.gentlent.com
// Submitted by Tom Klein <tom@gentlent.com>
gentapps.com
lab.ms

// GitHub, Inc.
// Submitted by Patrick Toomey <security@github.com>
github.io
githubusercontent.com

// GitLab, Inc.
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// Glitch, Inc : https://glitch.com
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// GMO Pepabo, Inc. : https://pepabo.com/
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// GOV.UK Platform as a Service : https://www.cloud.service.gov.uk/
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cloudapps.digital
london.cloudapps.digital

// UKHomeOffice : https://www.gov.uk/government/organisations/home-office
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// GlobeHosting, Inc.
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ro.im
shop.ro

// GoIP DNS Services : http://www.goip.de
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goip.de

// Google, Inc.
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run.app
a.run.app
web.app
*.0emm.com
appspot.com
*._r.appspot.com
blogspot.ae
blogspot.al
blogspot.am
blogspot.ba
blogspot.be
blogspot.bg
blogspot.bj
blogspot.ca
blogspot.cf
blogspot.ch
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blogspot.co.id
blogspot.co.il
blogspot.co.ke
blogspot.co.nz
blogspot.co.uk
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blogspot.td
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codespot.com
googlesapis.com
googlecde.com
pagespeedmobilizer.com
publishproxy.com
withgoogle.com
withyoutube.com

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awsmppl.com

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fin.ci
free.hr
caa.li
ua.rs
conf.se

// Handshake : https://handshake.org
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hs.zone
hs.run

// Hashbang : https://hashbang.sh
hashbang.sh

// Hasura : https://hasura.io
// Submitted by Shahidh K Muhammed <shahidh@hasura.io>
hasura.app
hasura-app.io

// Hepforge : https://www.hepforge.org
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// Heroku : https://www.heroku.com/
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herokuapp.com
herokussl.com

// Hibernating Rhinos
// Submitted by Oren Eini <oren@ravendb.net>
myravendb.com
ravendb.community
ravendb.me
development.run
ravendb.run

// HOSTBIP REGISTRY : https://www.hostbip.com/
// Submitted by Atanunu Igbunuroghene <publicsuffixlist@hostbip.com>
bpl.biz
orx.biz
ng.city
biz.gl
ng.ink
col.ng
firm.ng
gen.ng
ltd.ng
ngo.ng
ng.school
sch.so

// Hkkinen.fi
// Submitted by Eero Hkkinen <Eero+psl@Hkkinen.fi>
hkkinen.fi

// Ici la Lune : http://www.icilalune.com/
// Submitted by Simon Morvan <simon@icilalune.com>
*.moonscale.io
moonscale.net

// iki.fi
// Submitted by Hannu Aronsson <haa@iki.fi>
iki.fi

// Individual Network Berlin e.V. : https://www.in-berlin.de/
// Submitted by Christian Seitz <chris@in-berlin.de>
dyn-berlin.de
in-berlin.de
in-brb.de
in-butter.de
in-dsl.de
in-dsl.net
in-dsl.org
in-vpn.de
in-vpn.net
in-vpn.org

// info.at : http://www.info.at/
biz.at
info.at

// info.cx : http://info.cx
// Submitted by Jacob Slater <whois@igloo.to>
info.cx

// Interlegis : http://www.interlegis.leg.br
// Submitted by Gabriel Ferreira <registrobr@interlegis.leg.br>
ac.leg.br
al.leg.br
am.leg.br
ap.leg.br
ba.leg.br
ce.leg.br
df.leg.br
es.leg.br
go.leg.br
ma.leg.br
mg.leg.br
ms.leg.br
mt.leg.br
pa.leg.br
pb.leg.br
pe.leg.br
pi.leg.br
pr.leg.br
rj.leg.br
rn.leg.br
ro.leg.br
rr.leg.br
rs.leg.br
sc.leg.br
se.leg.br
sp.leg.br
to.leg.br

// intermetrics GmbH : https://pixolino.com/
// Submitted by Wolfgang Schwarz <admin@intermetrics.de>
pixolino.com

// IPiFony Systems, Inc. : https://www.ipifony.com/
// Submitted by Matthew Hardeman <mhardeman@ipifony.com>
ipifony.net
oya.to

co.krd
edu.krd

// LCube - Professional hosting e.K. : https://www.lcube-webhosting.de
// Submitted by Lars Laehn <info@lcube.de>
git-repos.de
lcube-server.de
svn-repos.de

// Leadpages : https://www.leadpages.net
// Submitted by Greg Dallavalle <domains@leadpages.net>
leadpages.co
lpages.co
lpusercontent.com

// Lelux.fi : https://lelux.fi/
// Submitted by Lelux Admin <publisuffix@lelux.site>
lelux.site

// Lifetime Hosting : https://Lifetime.Hosting/
// Submitted by Mike Fillator <support@lifetime.hosting>
co.business
co.education
co.events
co.financial
co.network
co.place
co.technology

// Lightmaker Property Manager, Inc. : https://app.lmpm.com/
// Submitted by Greg Holland <greg.holland@lmpm.com>
app.lmpm.com

// Linki Tools UG : https://linki.tools
// Submitted by Paulo Matos <pmatos@linki.tools>
linkitools.space

// linkyard ldt: https://www.linkyard.ch/
// Submitted by Mario Siegenthaler <mario.siegenthaler@linkyard.ch>
linkyard.cloud
linkyard-cloud.ch

// Linode : https://linode.com
// Submitted by <security@linode.com>
members.linode.com
nodebalancer.linode.com

// LiquidNet Ltd: http://www.liquidnetlimited.com/
// Submitted by Victor Velchev <admin@liquidnetlimited.com>
we.bs

// Log'In Line: https://www.loginline.com/
// Submitted by Rmi Mach <remi.mach@loginline.com>
loginline.app
loginline.dev
loginline.io
loginline.services
loginline.site

// LubMAN UMCS Sp. z o.o: https://lubman.pl/
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krasnik.pl
leczna.pl
lubartow.pl
lublin.pl
poniatowa.pl
swidnik.pl

// Lug.org.uk: https://lug.org.uk
// Submitted by Jon Spriggs <admin@lug.org.uk>
uklugs.org
glug.org.uk
lug.org.uk
lugs.org.uk

// Lukanet Ltd: https://lukanet.com
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barsy.bg
barsy.co.uk
barsyonline.co.uk
barsycenter.com
barsyonline.com
barsy.club
barsy.de
barsy.eu
barsy.in
barsy.info
barsy.io
barsy.me
barsy.menu
barsy.mobi
barsy.net
barsy.online
barsy.org
barsy.pro
barsy.pub
barsy.shop
barsy.site
barsy.support
barsy.uk

// Magento Commerce
// Submitted by Damien Tournoud <dtournoud@magento.cloud>
*.magentosite.cloud

// May First - People Link : https://mayfirst.org/
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mayfirst.info
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// Mail.Ru Group : https://hb.cldmail.ru
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// Memset hosting : https://www.memset.com
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miniserver.com
memset.net

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cloud.metacentrum.cz
custom.metacentrum.cz

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flt.cloud.muni.cz
usr.cloud.muni.cz

// Meteor Development Group : https://www.meteor.com/hosting
// Submitted by Pierre Carrier <pierre@meteor.com>
meteorapp.com
eu.meteorapp.com

// Michau Enterprises Limited : http://www.co.pl/
co.pl

// Microsoft Corporation : http://microsoft.com
// Submitted by Justin Luk <juluk@microsoft.com>
azurecontainer.io
azurewebsites.net
4u.com

// ngrok : https://ngrok.com/
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ngrok.io

// Nimbus Hosting Ltd. : https://www.nimbushosting.co.uk/
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nsfhost.com

// Now-DNS : https://now-dns.com
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dnsking.ch
mypi.co
n4t.co
001www.com
ddnslive.com
myiphost.com
forumz.info
16-b.it
32-b.it
64-b.it
soundcast.me
tcp4.me
dnsup.net
hicam.net
now-dns.net
ownip.net
vpndns.net
dynserv.org
now-dns.org
x443.pw
now-dns.top
ntdll.top
freeddns.us
crafting.xyz
zapto.xyz

// nsupdate.info : https://www.nsupdate.info/
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nsupdate.info
nerdpol.ovh

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blogsyte.com
brasilia.me
cable-modem.org
ciscofreak.com
collegefan.org
couchpotatofries.org
damnsrver.com
ddns.me
ditchyourip.com
dnsfor.me
dnsiskinky.com
dvrcam.info
dynns.com
eating-organic.net
fantasyleague.cc
geekgalaxy.com
golffan.us
health-carereform.com
homesecuritymac.com
homesecuritytype.com
hopto.me
ilovecollege.info
loginto.me
mlbfan.org
mmafan.biz
myactivedirectory.com
mydissent.net
myeffect.net
mymediapc.net
mypsx.net
mysecuritycamera.com
mysecuritycamera.net
mysecuritycamera.org
net-freaks.com
nflfan.org
nhlfan.net
no-ip.ca
no-ip.co.uk
no-ip.net
noip.us
onthewifi.com
pgafan.net
point2this.com
pointto.us
privatizehealthinsurance.net
quicksytes.com
read-books.org
securitytactics.com
serveexchange.com
servehumour.com
servep2p.com
servesarcasm.com
stufftoread.com
ufcfan.org
unusualperson.com
workisboring.com
3utilities.com
bounceme.net
ddns.net
ddnaking.com
gotdns.ch
hopto.org
myftp.biz
myftp.org
myvnc.com
no-ip.biz
no-ip.info
no-ip.org
noip.me
redirectme.net
servebeer.com
serveblog.net
servecounterstrike.com
serveftp.com
servegame.com
servehalflife.com
servehttp.com
serveirc.com
serveminecraft.net
servemp3.com
servepics.com
servequake.com
sytes.net
webhop.me
zapto.org

// NodeArt : https://nodeart.io
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stage.nodeart.io

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nom.ae
nom.af
nom.ai
nom.al
nym.by
nym.bz
nom.cl
nym.ec
nom.gd
nom.ge
nom.gl
nym.gr
nom.gt
nym.gy
nym.hk
nom.hn
nym.ie
nom.im
nom.ke
nym.kz
nym.la
nym.ic
nom.li
nym.li
nym.lt
nym.lu
nym.me
nom.mk
nym.mn
nym.mx
nom.nu
nym.nz
nym.pe
nym.pt
nom.pw
nom.qa
nym.ro
nom.rs
nom.si
nym.sk
nom.st
nym.su
nym.sax
nom.tj
nym.tw
nom ug
nom.uy
nom.vc
nom.vg

// Observable, Inc. : https://observablehq.com
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static.observableusercontent.com

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cy.aa.gg

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cloudycluster.net

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nid.io

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ownprovider.com
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// Pagefront : https://www.pagefronthq.com/
// Submitted by Jason Kriss <jason@pagefronthq.com>
pagefrontapp.com

// .pl domains (grandfathered)
art.pl
gliwice.pl
krakow.pl
poznan.pl
wroc.pl
zakopane.pl

// Pantheon Systems, Inc. : https://pantheon.io/
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pantheonsite.io
gotpantehon.com

// Peplink | Peppwave : http://peplink.com/
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// Perspecta : https://perspecta.com/
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perspecta.cloud

// Planet-Work : https://www.planet-work.com/
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on-web.fr

// Platform.sh : https://platform.sh
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*.platform.sh
*.platformsh.site

// Port53 : https://port53.io/
// Russian Academy of Sciences
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ras.ru

// QA2
// Submitted by Daniel Dent (https://www.danieldent.com/)
qa2.com

// QCX
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qcx.io
*.*sys.qcx.io

// QNAP System Inc : https://www.qnap.com
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dev-myqnapcloud.com
alpha-myqnapcloud.com
myqnapcloud.com

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*.*quipelements.com

// Qutheory LLC : http://qutheory.io
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vapor.cloud
vaporcloud.io

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rackmaze.com
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// Rancher Labs, Inc : https://rancher.com
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*.*on-k3s.io
*.*on-rancher.cloud
*.*on-rio.io

// Read The Docs, Inc : https://www.readthedocs.org
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readthedocs.io

// Red Hat, Inc. OpenShift : https://openshift.redhat.com/
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// Render : https://render.com
// Securepoint GmbH : https://www.securepoint.de
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firewall-gateway.com
firewall-gateway.de
my-gateway.de
my-router.de
spdns.de
spdns.eu
firewall-gateway.net
my-firewall.org
myfirewall.org
spdns.org

// Senseering GmbH : https://www.senseering.de
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senseering.net

// Service Online LLC : http://drs.ua/
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biz.ua
cr.co.ua
pp.ua

// ShiftEdit : https://shiftedit.net/
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shiftedit.io

// Shopblocks : http://www.shopblocks.com/
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myshopblocks.com

// Shopit : https://www.shopitcommerce.com/
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mo-siemens.io

// Submitted by SinaAppEngine <saesupport@sinacloud.com>
1kapp.com
appchizi.com
applinzi.com
sinaapp.com
vipsinaapp.com
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siteleaf.net

// Skyhat : http://www.skyhat.io
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bounty-full.com
alpha.bounty-full.com
beta.bounty-full.com

// Stackhero : https://www.stackhero.io
// Submitted by Adrien Gillon <adrien+public-suffix-list@stackhero.io>
stackhero-network.com

// staticland : https://static.land
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static.land
dev.static.land
sites.static.land

// SourceLair PC : https://www.sourcelair.com
// Submitted by Antonis Kalipetis <akalipetis@sourcelair.com>
apps.lair.io
*.stolos.io

// SpaceKit : https://www.spacekit.io/
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spacekit.io

// SpeedPartner GmbH: https://www.speedpartner.de/
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customer.speedpartner.de

// Standard Library : https://stdlib.com
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api.stdlib.com

// Storj Labs Inc. : https://storj.io/
// Submitted by Philip Hutchins <hostmaster@storj.io>
storj.farm

// Studenten Net Twente : http://www.snt.utwente.nl/
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utsente.io

// Student-Run Computing Facility : https://www.srcf.net/
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soc.srcf.net
user.srcf.net

// Sub 6 Limited: http://www.sub6.com
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temp-dns.com

// Swisscom Application Cloud: https://developer.swisscom.com
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applicationcloud.io
scapp.io

// Symfony, SAS : https://symfony.com/
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*.s5y.io
*.sensiosite.cloud

// Syncloud : https://syncloud.org
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syncloud.it

// Synology, Inc. : https://www.synology.com/
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diskstation.me
dsccloud.biz
dsccloud.me
dsccloud.mobi
dsmynas.com
dsmynas.net
dsmynas.org
familyds.com
familyds.net
familyds.org
i234.me
myds.me
synology.me
vpnplus.to
direct.quickconnect.to

// TAIFUN Software AG : http://taifun-software.de
// Submitted by Bjoern Henke <dev-server@taifun-software.de>
taifun-dns.de

// TASK geographical domains (www.task.gda.pl/uslugi/dns)
gda.pl
gdansk.pl
gdynia.pl
med.pl
sopot.pl
// Teckids e.V. : https://www.teckids.org  
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edugit.org

// Telebit : https://telebit.cloud  
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telebit.app  
telebit.io  
*.telebit.xyz

// The Gwiddle Foundation : https://gwiddlefoundation.org.uk  
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gwiddle.co.uk

// Thingdust AG : https://thingdust.com/  
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thingdustdata.com  
cust.dev.thingdust.io  
cust.disrec.thingdust.io  
cust.prod.thingdust.io  
cust.testing.thingdust.io

// Tlon.io : https://tlon.io  
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arvo.network  
azimuth.network

// TownNews.com : http://www.townnews.com  
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bloxcms.com  
townnews-staging.com

// TrafficPlex GmbH : https://www.trafficplex.de/  
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12hp.at  
2ix.at  
4lima.at  
lima-city.at  
12hp.ch  
2ix.ch  
4lima.ch  
lima-city.ch  
trafficplex.cloud  
de.cool  
12hp.de  
2ix.de  
4lima.de
lima-city.de
1337.pictures
clan.rip
lima-city.rocks
webspace.rocks
lima.zone

// TransIP : https://www.transip.nl
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*.transurl.be
*.transurl.eu
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// TuxFamily : http://tuxfamily.org
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tuxfamily.org

// TwoDNS : https://www.twodns.de/
// Submitted by TwoDNS-Support <support@two-dns.de>
dd-dns.de
diskstation.eu
diskstation.org
dray-dns.de
draydns.de
dyn-vpn.de
dynvpn.de
mein-vigor.de
my-vigor.de
my-wan.de
syno-ds.de
synology-diskstation.de
synology-ds.de

// Uberspace : https://uberspace.de
// Submitted by Moritz Werner <mwerner@jonaspasche.com>
uber.space
*.uberspace.de

// UDR Limited : http://www.udr.hk.com
// Submitted by registry <hostmaster@udr.hk.com>
hk.com
hk.org
ltd.hk
inc.hk

// United Gameserver GmbH : https://united-gameserver.de
// Submitted by Stefan Schwarz <sysadm@united-gameserver.de>
virtualuser.de
virtual-user.de

// urown.net : https://urown.net
// Submitted by Hostmaster <hostmaster@urown.net>
urown.cloud
dnsupdate.info

// .US
// Submitted by Ed Moore <Ed.Moore@lib.de.us>
lib.de.us

// VeryPositive SIA : http://very.lv
// Submitted by Danko Aleksejevs <danko@very.lv>
2038.io

// Viprinet Europe GmbH : http://www.viprinet.com
// Submitted by Simon Kissel <hostmaster@viprinet.com>
router.management

// Virtual-Info : https://www.virtual-info.info/
// Submitted by Adnan RIHAN <hostmaster@v-info.info>
v-info.info

// Voorloper.com: https://voorloper.com
// Submitted by Nathan van Bakel <info@voorloper.com>
voorloper.cloud

// V.UA Domain Administrator : https://domain.v.ua/
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v.ua

// Waffle Computer Inc., Ltd. : https://docs.waffleinfo.com
// Submitted by Masayuki Note <masa@blade.wafflecell.com>
wafflecell.com

// WebHare bv: https://www.webhare.com/
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*.webhare.dev

// WeDeploy by Liferay, Inc. : https://www.wedeploy.com
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wedeploy.io
wedeploy.me
wedeploy.sh

// Western Digital Technologies, Inc : https://www.wdc.com
// Submitted by Jung Jin <jungseok.jin@wdc.com>
remotewd.com
ybo.party
ybo.review
ybo.science
ybo.trade

// Yunohost : https://yunohost.org
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nohost.me
noho.st

// ZaNiC : http://www.za.net/
// Submitted by registry <hostmaster@nic.za.net>
za.net
za.org

// Zeit, Inc. : https://zeit.domains/
// Submitted by Olli Vanhoja <olli@zeit.co>
now.sh

// Zine EOOD : https://zine.bg/
// Submitted by Martin Angelov <martin@zine.bg>
bss.design

// Zitcom A/S : https://www.zitcom.dk
// Submitted by Emil Stahl <esp@zitcom.dk>
basicserver.io
virtualserver.io
enterprisecloud.nu

// ===END PRIVATE DOMAINS===

Found in path(s):
* /opt/cola/permits/1124832400_1611183232.93/0/public-suffix-list-dat-gz/public_suffix_list.dat

1.1372 gson 2.8.5

1.1373 jettison 1.3.7
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 */

/**
 * Set the max pool size of the ThreadPoolExecutor.
 * <p><strong>NOTE:</strong> When an unbounded
 * {@link #queueCapacity(int) queueCapacity} is configured (the default), the
 */

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max pool size is effectively ignored. See the "Unbounded queues" strategy in [java.util.concurrent.ThreadPoolExecutor] for more details.

By default this is set to Integer.MAX_VALUE.

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1.1381 libdevm mapper 2.03.02-2ubuntu6

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threshold for this to be true is not precisely defined by law.

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structure layouts and accessors, and small macros and small inline
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Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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1.1391 plexus-utils 3.2.0

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1.1392 sqlite 3.7.17 8.el7_7.1

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#
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# No attempt is made to verify correct operation of the resulting schema
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#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Schema and query extracted from Skrooge.org.
#
do_test fuzz-oss1-skrooge {
    db eval {
        CREATE TABLE parameters (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_uuid_parent
            TEXT NOT NULL DEFAULT "," t_name TEXT NOT NULL,t_value TEXT NOT NULL DEFAULT "," ,b_blob
            BLOB,d_lastmodifdate DATE NOT NULL DEFAULT CURRENT_TIMESTAMP,i_tmp INTEGER NOT NULL
            DEFAULT 0);
        CREATE TABLE doctransaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT
            NOT NULL,t_mode VARCHAR(1) DEFAULT 'U' CHECK (t_mode IN ('U', 'R')),d_date DATE NOT
            NULL,t_savestep VARCHAR(1) DEFAULT 'N' CHECK (t_savestep IN ('Y', 'N')),i_parent INTEGER,
            t_refreshviews VARCHAR(1) DEFAULT 'Y' CHECK (t_refreshviews IN ('Y', 'N')));
        CREATE TABLE doctransactionitem (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
            rd_doctransaction_id INTEGER NOT NULL,i_object_id INTEGER NOT NULL,t_object_table TEXT NOT
            NULL,t_action VARCHAR(1) DEFAULT 'I' CHECK (t_action IN ('I', 'U', 'D')),t_sqlorder TEXT NOT NULL
            DEFAULT '');
        CREATE TABLE doctransactionmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
            rd_doctransaction_id INTEGER NOT NULL,t_message TEXT NOT NULL DEFAULT '',t_popup VARCHAR(1)
            DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));
        CREATE TABLE unit(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT
            NOT NULL,t_symbol TEXT NOT NULL DEFAULT '',t_country TEXT NOT NULL DEFAULT '',t_type VARCHAR(1)
            NOT NULL DEFAULT 'C' CHECK (t_type IN ('1', '2', 'C', 'S', 'I', 'O')),t_internet_code TEXT NOT NULL
            DEFAULT '',i_nbdecimal INT NOT NULL DEFAULT 2,rd_unit_id INTEGER NOT NULL DEFAULT 0, t_source
            TEXT NOT NULL DEFAULT '');
        CREATE TABLE unitvalue(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
            rd_unit_id INTEGER NOT NULL,d_date DATE NOT NULL,f_quantity FLOAT NOT NULL CHECK (f_quantity>=0));
        CREATE TABLE bank (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT
            NOT NULL DEFAULT '',t_bank_number TEXT NOT NULL DEFAULT '',t_icon TEXT NOT NULL DEFAULT '');
        CREATE TABLE interest(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rd_account_id
            INTEGER NOT NULL,d_date DATE NOT NULL,f_interest FLOAT NOT NULL CHECK (f_interest>=0));
        CREATE TABLE transaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_number TEXT
            NOT NULL DEFAULT '',t_date DATE NOT NULL DEFAULT CURRENT_TIMESTAMP,t_report_timestamp
            TEXT NOT NULL DEFAULT '');
    }
}
<table>
<thead>
<tr>
<th>SQL Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE TABLE <code>operation</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,i_group_id INTEGER NOT NULL DEFAULT 0,i_number INTEGER DEFAULT 0 CHECK (i_number&gt;=0),d_date DATE NOT NULL DEFAULT '0000-00-00',rd_account_id INTEGER NOT NULL,t_mode TEXT NOT NULL DEFAULT '',r_payee_id INTEGER NOT NULL DEFAULT 0,t_comment TEXT NOT NULL DEFAULT '',rc_unit_id INTEGER NOT NULL DEFAULT 0,t_status VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_status IN ('N', 'P', 'Y')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),t_imported VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_imported IN ('Y', 'N', 'P', 'T')),t_template VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_template IN ('Y', 'N')),t_import_id TEXT NOT NULL DEFAULT '',i_tmp INTEGER NOT NULL DEFAULT 0,r_recurrentoperation_id INTEGER NOT NULL DEFAULT 0);</td>
</tr>
<tr>
<td>CREATE TABLE <code>operationbalance</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,f_balance FLOAT NOT NULL DEFAULT 0,r_operation_id INTEGER NOT NULL);</td>
</tr>
<tr>
<td>CREATE TABLE <code>refund</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')));</td>
</tr>
<tr>
<td>CREATE TABLE <code>payee</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_address TEXT NOT NULL DEFAULT '', t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));</td>
</tr>
<tr>
<td>CREATE TABLE <code>suboperation</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_comment TEXT NOT NULL DEFAULT '',rd_operation_id INTEGER NOT NULL,r_category_id INTEGER NOT NULL DEFAULT 0,f_value FLOAT NOT NULL DEFAULT 0.0,i_tmp INTEGER NOT NULL DEFAULT 0,r_refund_id INTEGER NOT NULL DEFAULT 0, t_formula TEXT NOT NULL DEFAULT '');</td>
</tr>
<tr>
<td>CREATE TABLE <code>rule</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_description TEXT NOT NULL DEFAULT '',t_definition TEXT NOT NULL DEFAULT '',t_action_description TEXT NOT NULL DEFAULT '',t_action_definition TEXT NOT NULL DEFAULT '',t_action_type VARCHAR(1) DEFAULT 'S' CHECK (t_action_type IN ('S', 'U', 'A')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));</td>
</tr>
<tr>
<td>CREATE TABLE <code>budget</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rc_category_id INTEGER NOT NULL DEFAULT 0,t_including_subcategories TEXT NOT NULL DEFAULT 'N' CHECK (t_including_subcategories IN ('Y', 'N')),f_budgeted FLOAT NOT NULL DEFAULT 0.0,f_budgeted_modified FLOAT NOT NULL DEFAULT 0.0,f_transferred FLOAT NOT NULL DEFAULT 0.0,i_year INTEGER NOT NULL DEFAULT 2010,i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month&gt;=0 AND i_month&lt;=12));</td>
</tr>
<tr>
<td>CREATE TABLE <code>budgetcategory</code>(id INTEGER NOT NULL DEFAULT 0,id_category INTEGER NOT NULL DEFAULT 0);</td>
</tr>
<tr>
<td>CREATE TABLE <code>budgetrule</code>(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rc_category_id INTEGER NOT NULL DEFAULT 0,t_category_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_condition IN ('Y', 'N')),t_year_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_year_condition IN ('Y', 'N')),i_year INTEGER NOT NULL DEFAULT 2010,i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month&gt;=0 AND i_month&lt;=12),t_month_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_month_condition IN ('Y', 'N')),i_condition INTEGER NOT NULL DEFAULT 0 CHECK (i_condition IN (-1, 0, 1)),f_quantity FLOAT NOT NULL DEFAULT 0.0,t_absolute TEXT NOT NULL DEFAULT 'Y' CHECK (t_absolute IN ('Y', 'N')),rc_category_id_target INTEGER NOT NULL DEFAULT 0,t_category_target TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_target IN ('Y', 'N')),t_rule TEXT NOT NULL DEFAULT 'N' CHECK);</td>
</tr>
</tbody>
</table>
(t_rule IN ('N', 'C', 'Y')));
CREATE TABLE "recurrentoperation" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,d_date
DATE NOT NULL DEFAULT '0000-00-00',rd_operation_id INTEGER NOT NULL,i_period_increment
INTEGER NOT NULL DEFAULT 1 CHECK (i_period_increment>=0),t_period_unit TEXT NOT NULL
DEFAULT 'M' CHECK (t_period_unit IN ('D', 'W', 'M', 'Y')),t_auto_write VARCHAR(1) DEFAULT 'Y' CHECK
(t_auto_write IN ('Y', 'N')),i_auto_write_days INTEGER NOT NULL DEFAULT 5 CHECK
(i_auto_write_days>=0),t_warn VARCHAR(1) DEFAULT 'Y' CHECK (t_warn IN ('Y', 'N')),i_warn_days
INTEGER NOT NULL DEFAULT 5 CHECK (i_warn_days>=0),t_times VARCHAR(1) DEFAULT 'N' CHECK
(t_times IN ('Y', 'N')),i_nb_times INTEGER NOT NULL DEFAULT 1 CHECK (i_nb_times>=0);
CREATE TABLE "category" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT
NOT NULL DEFAULT '' CHECK (t_name NOT LIKE '% > %'),t_fullname TEXT,rd_category_id
INT,t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));
CREATE TABLE "account"(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT
NULL,t_number TEXT NOT NULL DEFAULT '',t_agency_number TEXT NOT NULL DEFAULT
'',t_agency_address TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close
VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')),t_type VARCHAR(1) NOT NULL DEFAULT 'C'
CHECK (t_type IN ('C', 'D', 'A', 'T', 'L', 'W', 'O')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK
(t_bookmarked IN ('Y', 'N')),rd_bank_id INTEGER NOT NULL);
CREATE TABLE "node" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT
NULL,t_fullname TEXT,rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);
CREATE TABLE vm_category_display_tmp(
id INT,
t_name TEXT,
t_fullname TEXT,
rd_category_id INT,
t_bookmarked TEXT,
i_NBOPERATIONS,
f_REALCURRENTAMOUNT
);
CREATE TABLE vm_budget_tmp(
id INT,
rc_category_id INT,
t_including_subcategories TEXT,
f_budgeted REAL,
f_budgeted_modified REAL,
f_transferred REAL,
i_year INT,
i_month INT,
t_CATEGORY,
t_PERIOD,
f_CURRENTAMOUNT,
t_RULES
);
CREATE INDEX idx_doctransaction_parent ON doctransaction (i_parent);
CREATE INDEX idx_doctransactionitem_i_object_id ON doctransactionitem (i_object_id);
CREATE INDEX idx_doctransactionitem_t_object_table ON doctransactionitem (t_object_table);
CREATE INDEX idx_doctransactionitem_t_action ON doctransactionitem (t_action);
CREATE INDEX idx_doctransactionitem_rd_doctransaction_id ON doctransactionitem (rd_doctransaction_id);
CREATE INDEX idx_doctransactionitem_optimization ON doctransactionitem (rd_doctransaction_id, i_object_id, t_object_table, t_action, id);
CREATE INDEX idx_unit_unit_id ON unitvalue(rd_unit_id);
CREATE INDEX idx_account_bank_id ON account(rd_bank_id);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_account_t_type ON account(t_type);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx��作_account_id ON operation (rd_account_id);
CREATE INDEX idx操作 tmpl_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx操作_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx操作_i_number ON operation (i_number);
CREATE INDEX idx操作_i_tmp ON operation (i_tmp);
CREATE INDEX idx操作_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx操作_t_status ON operation (t_status);
CREATE INDEX idx操作_t_import_id ON operation (t_import_id);
CREATE INDEX idx操作_t_template ON operation (t_template);
CREATE INDEX idx操作_d_date ON operation (d_date);
CREATE INDEX idx操作balance_operation_id ON operationbalance (r_operation_id);
CREATE INDEX idx_suboperation_operation_id ON suboperation (rd_operation_id);
CREATE INDEX idx_suboperation_i_tmp ON suboperation (i_tmp);
CREATE INDEX idx_suboperation_category_id ON suboperation (r_category_id);
CREATE INDEX idx_suboperation_refund_id_id ON suboperation (r_refund_id);
CREATE INDEX idx_recurrentoperation_rd_operation_id ON recurrentoperation (rd_operation_id);
CREATE INDEX idx_refund_close ON refund(t_close);
CREATE INDEX idx_interest_account_id ON interest (rd_account_id);
CREATE INDEX idx_rule_action_type ON rule(t_action_type);
CREATE INDEX idx_budget_category_id ON budget(rc_category_id);
CREATE INDEX idx_budgetcategory_id ON budgetcategory (id);
CREATE INDEX idx_budgetcategory_id_category ON budgetcategory (id_category);
CREATE UNIQUE INDEX uidx_parameters_uuid_parent_name ON parameters (t_uuid_parent, t_name);
CREATE UNIQUE INDEX uidx_node_parent_id_name ON node(t_name,rd_node_id);
CREATE UNIQUE INDEX uidx_node_fullname ON node(t_fullname);
CREATE UNIQUE INDEX uidx_unit_name ON unit(t_name);
CREATE UNIQUE INDEX uidx_unit_symbol ON unit(t_symbol);
CREATE UNIQUE INDEX uidx_unitvalue ON unitvalue(d_date,rd_unit_id);
CREATE UNIQUE INDEX uidx_bank_name ON bank(t_name);
CREATE UNIQUE INDEX uidx_account_name ON account(t_name);
CREATE UNIQUE INDEX uidx_category_parent_id_name ON category(t_name,rd_category_id);
CREATE UNIQUE INDEX uidx_category_fullname ON category(t_fullname);
CREATE UNIQUE INDEX uidx_refund_name ON refund(t_name);
CREATE UNIQUE INDEX uidx_payee_name ON payee(t_name);
CREATE UNIQUE INDEX uidx_interest ON interest(d_date,rd_account_id);
CREATE UNIQUE INDEX uidx_budget ON budget(i_year,i_month, rc_category_id);
CREATE VIEW v_node AS SELECT * from node;
CREATE VIEW v_node_displayname AS SELECT *, t_fullname AS t_displayname from node;
CREATE VIEW v_parameters_displayname AS SELECT *, t_name AS t_displayname from parameters;
CREATE TRIGGER fkdc_parameters_parameters_uuid BEFORE DELETE ON parameters FOR EACH ROW BEGIN
   DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id || '{parameters'};
END;
CREATE TRIGGER fkdc_node_parameters_uuid BEFORE DELETE ON node FOR EACH ROW BEGIN
   DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id || '{node'};
END;
CREATE TRIGGER cpt_node_fullname1 AFTER INSERT ON node BEGIN UPDATE node SET
   t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN
      new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id) || ' > ' || new.t_name END
   WHERE id=new.id; END;
CREATE TRIGGER cpt_node_fullname2 AFTER UPDATE OF t_name, rd_node_id ON node BEGIN UPDATE
   node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN
      new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id) || ' > ' || new.t_name END
   WHERE id=new.id; END;
CREATE TRIGGER fki_account_bank_rd_bank_id_id BEFORE INSERT ON account FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (bank est utilis par account)
   Nom de la contrainte: fki_account_bank_rd_bank_id_id') WHERE NEW.rd_bank_id!=0 AND
   NEW.rd_bank_id='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fku_account_bank_rd_bank_id_id BEFORE UPDATE ON account FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (bank est utilis par account)
   Nom de la contrainte: fku_account_bank_rd_bank_id_id') WHERE NEW.rd_bank_id!=0 AND
   NEW.rd_bank_id='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id BEFORE DELETE ON bank FOR EACH ROW BEGIN
   DELETE FROM account WHERE account.rd_bank_id = OLD.id; END;
CREATE TRIGGER fki_budget_category_rc_category_id_id BEFORE INSERT ON budget FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budget)
   Nom de la contrainte: fki_budget_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND
   NEW.rc_category_id='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budget_category_rc_category_id_id BEFORE UPDATE ON budget FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budget)
   Nom de la contrainte: fku_budget_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND
   NEW.rc_category_id='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkd_budget_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par budget)
   Nom de la contrainte: fkd_budget_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM
   budget WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budgetrule)
   Nom de la contrainte: fki_budgetrule_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND
   NEW.rc_category_id='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budgetrule)
   Nom de la contrainte: fku_budgetrule_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND
   NEW.rc_category_id='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkd_budgetrule_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par budgetrule)
   Nom de la contrainte: fkd_budgetrule_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM
   budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON budgetrule FOR
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilis par budgetrule) Nom de la contrainte: fki_budgetrule_category_rc_category_id_target_id') WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;

CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budgetrule) Nom de la contrainte: fku_budgetrule_category_rc_category_id_target_id') WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;

CREATE TRIGGER fkd_budgetrule_category_rc_category_id_target_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par budgetrule) Nom de la contrainte: fkd_budgetrule_category_rc_category_id_target_id') WHERE (SELECT rc_category_id_target FROM budgetrule WHERE rc_category_id_target = OLD.id) IS NOT NULL; END;

CREATE TRIGGER fki_category_category_rd_category_id_id BEFORE INSERT ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilis par category) Nom de la contrainte: fki_category_category_rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!="" AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;

CREATE TRIGGER fku_category_category_rd_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par category) Nom de la contrainte: fku_category_category_rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!="" AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;

CREATE TRIGGER fkdc_category_category_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM category WHERE category.rd_category_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilis par doctransactionitem) Nom de la contrainte: fki_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilis par doctransactionitem) Nom de la contrainte: fku_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransactionitem FOR EACH ROW BEGIN DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilis par doctransactionmsg) Nom de la contrainte: fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilis par doctransactionmsg)
(doctransaction est utilis par doctransactionmsg)
Nom de la contrainte: fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id') WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id='" AND (SELECT id FROM doctransaction
WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransactionmsg_doctransaction_id BEFORE DELETE ON
doctransaction FOR EACH ROW BEGIN DELETE FROM doctransactionmsg WHERE
doctransactionmsg.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransactionmsg_id_rd_doctransaction_id BEFORE INSERT ON
doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilis par interest)
Nom de la contrainte: fki_doctransactionmsg_doctransactionmsg_id_rd_doctransaction_id') WHERE NEW.rd_doctransaction_id!=0 AND
NEW.rd_doctransaction_id='" AND (SELECT id FROM account WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransactionmsg_doctransactionmsg_id_rd_doctransaction_id BEFORE UPDATE ON FOR EACH ROW BEGIN
DELETE FROM doctransactionmsg WHERE
NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id='" AND (SELECT id FROM doctransactionmsg
WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fki_operation_account_rd_account_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilis par operation)
Nom de la contrainte: fki_operation_account_rd_account_id_id') WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_account_rd_account_id_id BEFORE DELETE ON operation FOR EACH ROW BEGIN
DELETE FROM account WHERE
NEW.rd_account_id!=0 AND NEW.rd_account_id='" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER fki_payee_r_payee_id_id BEFORE INSERT ON payee FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
Nom de la contrainte: fki_payee_r_payee_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkdc_payee_r_payee_id_id BEFORE DELETE ON payee FOR EACH ROW BEGIN
UPDATE operation SET r_payee_id=0 WHERE r_payee_id=OLD.id; END;
CREATE TRIGGER fki_operation_unit_rc_unit_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
Nom de la contrainte: fki_operation_unit_rc_unit_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkdc_payee_r_payee_id_id BEFORE UPDATE ON payee FOR EACH ROW BEGIN
DELETE FROM payee WHERE
NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fki_operation_unit_rc_unit_id_id BEFORE UPDATE ON payee FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
Nom de la contrainte: fki_operation_unit_rc_unit_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkdc_payee_r_payee_id_id BEFORE DELETE ON payee FOR EACH ROW BEGIN
UPDATE operation SET r_payee_id=0 WHERE r_payee_id=OLD.id; END;
CREATE TRIGGER fki_operation_unit_rc_unit_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
Nom de la contrainte: fki_operation_unit_rc_unit_id_id') WHERE NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fkdc_payee_r_payee_id_id BEFORE UPDATE ON payee FOR EACH ROW BEGIN
DELETE FROM payee WHERE
NEW.r_payee_id!=0 AND NEW.r_payee_id='" AND (SELECT id FROM payee WHERE id = NEW.r_payee_id) IS NULL; END;
CREATE TRIGGER fki_operation_unit_rc_unit_id_id BEFORE UPDATE ON payee FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilis par operation)
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilisé par operation)
Nom de la contrainte: fki_operation_unit_rc_unit_id_id' WHERE NEW.rc_unit_id!=0 AND NEW.rc_unit_id!="
AND (SELECT id FROM unit WHERE id = NEW.rc_unit_id) IS NULL; END;
CREATE TRIGGER fku_operation_unit_rc_unit_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilisé par operation)
Nom de la contrainte: fku_operation_unit_rc_unit_id_id' WHERE NEW.rc_unit_id!=0 AND NEW.rc_unit_id!=" AND (SELECT id FROM unit WHERE id = NEW.rc_unit_id) IS NULL; END;
CREATE TRIGGER fkd_operation_unit_rc_unit_id_id BEFORE DELETE ON unit FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de supprimer un objet (unit est utilisé par operation)
Nom de la contrainte: fkd_operation_unit_rc_unit_id_id WHERE (SELECT rc_unit_id FROM operation WHERE rc_unit_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (recurrentoperation est utilisé par operation)
Nom de la contrainte: fki_operation_recurrentoperation_r_recurrentoperation_id_id' WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id!=" AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;
CREATE TRIGGER fku_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (recurrentoperation est utilisé par operation)
Nom de la contrainte: fku_operation_recurrentoperation_r_recurrentoperation_id_id' WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id!=" AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;
CREATE TRIGGER fkd_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN UPDATE operation SET r_recurrentoperation_id=0 WHERE r_recurrentoperation_id=OLD.id; END;
CREATE TRIGGER fki_operationbalance_operation_r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par operationbalance)
Nom de la contrainte: fki_operationbalance_operation_r_operation_id_id' WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!=" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par operationbalance)
Nom de la contrainte: fku_operationbalance_operation_r_operation_id_id' WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!=" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fkd_operationbalance_operation_r_operation_id_id BEFORE DELETE ON operationbalance FOR EACH ROW BEGIN UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;
CREATE TRIGGER fki_recurrentoperation_operation_rd_operation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par recurrentoperation)
Nom de la contrainte: fki_recurrentoperation_operation_rd_operation_id_id' WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!=" AND (SELECT id FROM recurrentoperation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fku_recurrentoperation_operation_rd_operation_id_id BEFORE UPDATE ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par recurrentoperation)
Nom de la contrainte: fku_recurrentoperation_operation_rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilis par subopération) Nom de la contrainte: fki_suboperation_operation_rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_operation_rd_operation_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par subopération) Nom de la contrainte: fku_suboperation_operation_rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_suboperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM suboperation WHERE suboperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilis par subopération) Nom de la contrainte: fki_suboperation_category_r_category_id_id') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_category_r_category_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par subopération) Nom de la contrainte: fku_suboperation_category_r_category_id_id') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fkd_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN UPDATE suboperation SET r_category_id=0 WHERE r_category_id=OLD.id; END;
CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (refund est utilis par subopération) Nom de la contrainte: fki_suboperation_refund_r_refund_id_id') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_refund_r_refund_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (refund est utilis par subopération) Nom de la contrainte: fku_suboperation_refund_r_refund_id_id') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;
CREATE TRIGGER fkd_suboperation_refund_r_refund_id_id BEFORE DELETE ON refund FOR EACH ROW BEGIN UPDATE suboperation SET r_refund_id=0 WHERE r_refund_id=OLD.id; END;
CREATE TRIGGER fki_unit_unit_rd_unit_id_id BEFORE INSERT ON unit FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilis par unit) Nom de la contrainte: fki_unit_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fku_unit_unit_rd_unit_id_id BEFORE UPDATE ON unit FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unit) Nom de la contrainte: fku_unit_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
Nom de la contrainte: fku_unit_unit_rd_unit_id_id) WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fkdc_unit_unit_id_rd_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN DELETE FROM unit WHERE unit.rd_unit_id = OLD.id; END;
CREATE TRIGGER fki_unitvalue_unit_rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilis par unitvalue)
Nom de la contrainte: fki_unitvalue_unit_rd_unit_id_id) WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fku_unitvalue_unit_rd_unit_id_id BEFORE UPDATE ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unitvalue)
Nom de la contrainte: fku_unitvalue_unit_rd_unit_id_id) WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fkdc_unit_unitvalue_id_rd_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN DELETE FROM unitvalue WHERE unitvalue.rd_unit_id = OLD.id; END;
CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par vm_budget_tmp)
Nom de la contrainte: fkd_vm_budget_tmp_category_rc_category_id_id) WHERE (SELECT rc_category_id FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkdc_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM vm_category_display_tmp WHERE vm_category_display_tmp.rd_category_id = OLD.id; END;
CREATE VIEW v_unit_displayname AS SELECT * , t_name||' ('||t_symbol||')' AS t_displayname FROM unit;
CREATE VIEW v_unit_tmp1 AS SELECT * ,(SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN " ELSE (SELECT CASE WHEN s.t_symbol!=" THEN s.t_symbol ELSE s.t_name END) FROM unit WHERE unit.id=unit.rd_unit_id) END) AS t_UNIT,(CASE unit.t_type WHEN ’l’ THEN ’Monnaie principale' WHEN ’2' THEN 'Monnaie secondaire' WHEN ’C’ THEN 'Monnaie' WHEN’S' THEN 'Action' WHEN’T’ THEN 'Indice' ELSE 'Objet' END) AS t_TYPENLS, (SELECT MIN(s.d_date) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MINDATE, (SELECT MAX(s.d_date) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MAXDATE, (SELECT MAX(s.d_date) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MAXDATE from unit;
CREATE VIEW v_unit_tmp2 AS SELECT * ,CASE WHEN v_unit_tmp1.t_type='1' THEN 1 ELSE IFNULL((SELECT s.f_quantity FROM unitvalue s WHERE s.rd_unit_id=v_unit_tmp1.id AND s.d_date=v_unit_tmp1.d_MAXDATE),1) END AS f_LASTVALUE from v_unit_tmp1;
CREATE VIEW v_unit AS SELECT * FROM unitvalue WHERE unitvalue.rd_unit_id=v_unit_displayname.id||' '||STRFTIME('%d/%m/%Y',d_date) AS t_displayname FROM unitvalue;
CREATE VIEW v_unitvalue_displayname AS SELECT * ,(SELECT t_displayname FROM v_unit_displayname WHERE unitvalue.rd_unit_id=v_unit_displayname.id)|| ''||STRFTIME('%d/%m/%Y',d_date) AS t_displayname FROM unitvalue;
CREATE VIEW v_unitvalue AS SELECT * FROM unitvalue;
CREATE VIEW v_suboperation AS SELECT * FROM suboperation;
CREATE VIEW v_operation_numbers AS SELECT DISTINCT i_number, rd_account_id FROM operation;
CREATE VIEW v_operation_next_numbers AS SELECT T1.i_number+1 AS i_number FROM v_operation_numbers AS T1 LEFT OUTER JOIN v_operation_numbers T2 ON T2.rd_account_id=T1.rd_account_id AND T2.i_number=T1.i_number+1 WHERE T1.i_number!=0 AND (T2.i_number IS NULL) ORDER BY T1.i_number;
CREATE VIEW v_operation_tmp1 AS SELECT *,(SELECT t_name FROM payee s WHERE s.id=operation.r_payee_id) AS t_PAYEE,(SELECT TOTAL(s.f_value) FROM suboperation s WHERE s.id=operation.r_payee_id) AS f_VALUE, (SELECT MIN(s.d_date) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MINDATE, (SELECT MAX(s.d_date) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MAXDATE from unitvalue;
CREATE VIEW v_operation AS SELECT *,(SELECT s.id FROM suboperation s WHERE s.rd_operation_id=operation.ID) AS t_TRANSFER FROM operation;

CREATE VIEW v_operation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||IFNULL(t_PAYEE,'')||' '||(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_displayname FROM v_operation;

CREATE VIEW v_operation_delete AS SELECT *, (CASE WHEN t_status='Y' THEN 'Vous n’êtes pas autorisé à supprimer cette opération car en attente de rapprochement' END) t_delete_message FROM operation;

CREATE VIEW v_account AS SELECT *,(SELECT MAX(s.d_date) FROM  interest s WHERE s.rd_account_id=account.id) AS d_MAXDATE, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=account.id AND s.t_template='N') AS f_CURRENTAMOUNT FROM account;

CREATE VIEW v_account_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE rd_account_id=account.id AND d_date<>'0000-00-00' AND t_template='N' AND t_status='Y') THEN 'Vous n’êtes pas autorisé à supprimer ce compte car il contient des opérations rapprochées' END) t_delete_message FROM account;

CREATE VIEW v_bank_displayname AS SELECT *, t_name AS t_displayname FROM bank;

CREATE VIEW v_account_displayname AS SELECT *, (SELECT t_displayname FROM v_bank_displayname WHERE account.rd_bank_id=v_bank_displayname.id)||'-'||t_name AS t_displayname FROM account;

CREATE VIEW v_bank AS SELECT *,(SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_account s WHERE s.rd_bank_id=bank.id) AS f_CURRENTAMOUNT FROM bank;

CREATE VIEW v_category_displayname AS SELECT *, t_fullname AS t_displayname FROM category;

CREATE VIEW v_recurrentoperation AS SELECT *,i_period_increment||' '||(CASE t_period_unit WHEN 'Y' THEN 'année(s)' WHEN 'M' THEN 'mois' WHEN 'W' THEN 'semaine(s)' ELSE 'jour(s)' END) AS t_PERIODNLs FROM recurrentoperation;

CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||(SELECT t_displayname FROM v_operation_displayname WHERE v_operation_displayname.id=v_recurrentoperation.rd_operation_id) AS t_displayname FROM v_recurrentoperation;

CREATE VIEW v_unitvalue_display AS SELECT *,IFNULL((SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=(SELECT s2.rd_unit_id FROM unit s2 WHERE s2.id=unitvalue.rd_unit_id)),'') AS t_UNIT,STRFTIME('%Y-%m',unitvalue.d_date) AS d_DATEMONTH,STRFTIME('%Y',unitvalue.d_date) AS d_DATEYEAR FROM unitvalue;

CREATE VIEW v_suboperation_display AS SELECT *,IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=v_suboperation.r_category_id),'') AS t_CATEGORY, IFNULL((SELECT s.t_name FROM refund s WHERE s.id=v_suboperation.r_refund_id),'') AS t_REFUND, (CASE WHEN v_suboperation.f_value>=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_INCOME, (CASE WHEN v_suboperation.f_value<=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_EXPENSE FROM v_suboperation;

CREATE VIEW v_suboperation_displayname AS SELECT *, t_CATEGORY||' : '||f_value AS t_displayname FROM v_suboperation;
CREATE VIEW v_operation_display_all AS SELECT *(SELECT s.t_name FROM account s WHERE s.id=v_operation.rd_account_id) AS t_ACCOUNT,(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_UNIT,(SELECT s.t_CATEGORY FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_CATEGORY,(SELECT s.t_REFUND FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_REFUND,(CASE WHEN v_operation.f_QUANTITY<0 THEN '-' WHEN v_operation.f_QUANTITY=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN v_operation.f_QUANTITY<=0 THEN 'Dpense' ELSE 'Revenu' END) AS t_TYPEEXPENSENLs, STRFTIME('%Y-%W',v_operation.d_date) AS d_DATEWEEK,STRFTIME('%Y-%m',v_operation.d_date) AS d_DATEMONTH,STRFTIME('%Y',v_operation.d_date)||'-Q'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='03' THEN '1' WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '2' WHEN STRFTIME('%m',v_operation.d_date)<='09' THEN '3' ELSE '4' END) AS d_DATEQUARTER, STRFTIME('%Y',v_operation.d_date)||'-S'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '1' ELSE '2' END) AS d_DATESEMESTER, STRFTIME('%Y',v_operation.d_date) AS d_DATEYEAR, (SELECT count(*) FROM v_recurrentoperation s WHERE s.rd_operation_id=v_operation.id) AS i_NBRECURRENT, (CASE WHEN v_operation.f_QUANTITY>=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT INCOME, (CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT EXPENSE, (SELECT o2.f_balance FROM operationbalance o2 WHERE o2.r_operation_id=v_operation.id ) AS f_BALANCE, (CASE WHEN v_operation.f_QUANTITY>=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CHECKED, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_template='N') AS f_TODAYAMOUNT, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_template='N' AND s.d_date<=date('now')) AS f_TOMORROWAMOUNT, (SELECT count(*) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_template='N') AS i_NBOPERATIONS, IFNULL((SELECT s.f_rate FROM interest s WHERE s.rd_account_id=v_account.id AND s.d_date=v_account.d_MAXDATE),0) AS f_RATE FROM v_account, bank WHERE bank.id=v_account.rd_bank_id;

CREATE VIEW v_operation_consolidated AS SELECT *(SELECT s.t_TYPENLS FROM v_account_display s WHERE s.id=op.rd_account_id) AS t_ACCOUNTTYPE,(SELECT u.t_TYPENLS FROM v_unit u WHERE u.id=s.rc_unit_id) AS t_UNIT, (SELECT s.t_TEMPLATE FROM v_operation s WHERE s.id=op.id) AS t_CATEGORYTYPE,(SELECT s.t_TYPENLS FROM v_unit u WHERE u.id=s.rc_unit_id) AS t_UNITTYPE FROM v_operation_consolidated all AS SELECT * FROM v_operation_consolidated all WHERE i_NBRECURRENT>0 AND i_NBOPERATIONS>0 AND f_TODAYAMOUNT>0 AND f_TOMORROWAMOUNT>0 AND f_CURRENTAMOUNT INCOME>0 AND f_CURRENTAMOUNT EXPENSE<0 AND f_FUTUREAMOUNT>0 AND f_CHECKED>0 AND f_TOMORROWAMOUNT>0 AND f_TODAYAMOUNT>0 AND f_TOMORROWAMOUNT>0 AND f_TODAYAMOUNT>0;
CREATE VIEW v_operation_prop AS SELECT p.id AS i_PROPPID, p.t_name AS i_PROPPNAME, p.t_value AS i_PROPVALUE, op.* FROM v_operation_consolidated AS op LEFT OUTER JOIN parameters AS p ON p.t_uuid_parent=op.id||'-operation';

CREATE VIEW v_refund_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE r_refund_id=refund.id AND t_status='Y') THEN 'Vous n’êtes pas autorisés à supprimer ce suiveur car utilisé par des opérations rapprochées' END) t_delete_message FROM refund;

CREATE VIEW v_refund AS SELECT *, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS f_CURRENTAMOUNT FROM refund;

CREATE VIEW v_refund_display AS SELECT *,(SELECT MIN(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=v_refund.id) AS d_FIRSTDATE, (SELECT MAX(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=v_refund.id) AS d_LASTDATE FROM v_refund;

CREATE VIEW v_refund_displayname AS SELECT *, t_name AS t_displayname FROM refund;

CREATE VIEW v_payee_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE r_payee_id=payee.id AND t_status='Y') THEN 'Vous n’êtes pas autorisés à supprimer ce tiers car utilisé par des opérations rapprochées' END) t_delete_message FROM payee;

CREATE VIEW v_payee AS SELECT *, (SELECT TOTAL(o.f_CURRENTAMOUNT) FROM v_operation o WHERE o.r_payee_id=payee.id AND o.t_template='N') AS f_CURRENTAMOUNT FROM payee;

CREATE VIEW v_payee_display AS SELECT * FROM v_payee;

CREATE VIEW v_payee_displayname AS SELECT *, t_name AS t_displayname FROM payee;

CREATE VIEW v_category_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE (t_REALCATEGORY=category.t_fullname OR t_REALCATEGORY like category.t_fullname||'%') AND t_status='Y') THEN 'Vous n’êtes pas autorisés à supprimer cette catégorie car utilisée par des opérations rapprochées' END) t_delete_message FROM category;

CREATE VIEW v_category_display_tmp AS SELECT *,(SELECT count(distinct(so.rd_operation_id)) FROM operation o, suboperation so WHERE so.rd_operation_id=o.id AND so.r_category_id=v_category.ID AND o.t_template='N') AS i_NBOPERATIONS, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o.i_IDCATEGORY=v_category.ID) AS f_REALCURRENTAMOUNT FROM v_category;

CREATE VIEW v_category_display AS SELECT * FROM vm_category_display_tmp c WHERE c.t_fullname LIKE vm_category_display_tmp.t_fullname||' > %' AND t_status='Y' THEN 'Y' WHEN EXISTS(SELECT 1 FROM category c WHERE c.t_bookmarked='Y' AND c.t_fullname like vm_category_display_tmp.t_fullname||' > %') THEN 'C' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD,
(CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN '−' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE,(CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dpense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS FROM vm_category_display_tmp;

CREATE VIEW v_recurrentoperation_display AS SELECT rop.*, op.t_ACCOUNT, op.i_number, op.t_mode, op.i_group_id, op.t_TRANSFER, op.t_PAYEE, op.t_comment, op.t_CATEGORY, op.t_status, op.f_CURRENTAMOUNT FROM v_recurrentoperation rop, v_operation_display_all AS op WHERE rop.rd_operation_id=op.ID;

CREATE VIEW v_rule AS SELECT *,(SELECT COUNT(1) FROM rule r WHERE r.f_sortorder<=rule.f_sortorder) AS i_ORDER FROM rule;

CREATE VIEW v_rule_displayname AS SELECT *, t_definition AS t_displayname FROM rule;

CREATE VIEW v_interest AS SELECT *,(SELECT s.t_name FROM account s WHERE s.id=interest.rd_account_id) AS t_ACCOUNT  FROM interest;

CREATE VIEW v_interest_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||f_rate||'%' AS t_displayname FROM interest;

CREATE VIEW v_budgetrule AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),'') AS t_CATEGORYCONDITION, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id_target),'') AS t_CATEGORY, (CASE WHEN budgetrule.i_condition=-1 THEN 'Ngatif' WHEN budgetrule.i_condition=1 THEN 'Positif' WHEN budgetrule.i_condition=0 THEN 'Tous' END) AS t_WHENNLS, f_quantity||(CASE WHEN budgetrule.t_absolute='N' THEN '%' ELSE (SELECT t_symbol FROM unit WHERE t_type='1') END) AS t_WHATNLS,(CASE WHEN budgetrule.t_rule='N' THEN 'Suivant' WHEN budgetrule.t_rule='C' THEN 'Courant' WHEN budgetrule.t_rule='Y' THEN 'Anne' END) AS t_RULENLS FROM budgetrule;

CREATE VIEW v_budgetrule_display AS SELECT *  FROM v_budgetrule;

CREATE VIEW v_budgetrule_displayname AS SELECT *, t_WHENNLS||' '||t_WHATNLS||' '||t_RULENLS||' '||t_CATEGORY AS t_displayname FROM v_budgetrule;

CREATE VIEW v_budget_tmp AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budget.rc_category_id),'') AS t_CATEGORY, (i_year||(CASE WHEN i_month=0 THEN '' WHEN i_month<10 THEN '-0'||i_month ELSE '-'||i_month END)) AS t_PERIOD, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.i_IDCATEGORY IN (SELECT b2.id_category FROM budgetcategory b2 WHERE b2.id=budget.id)) AS f_CURRENTAMOUNT, (SELECT GROUP_CONCAT(v_budgetrule_displayname.t_displayname,',') FROM v_budgetrule_displayname WHERE (v_budgetrule_displayname.t_year_condition='N' OR budget.i_year=v_budgetrule_displayname.i_year) AND (v_budgetrule_displayname.t_month_condition='N' OR budget.i_month=v_budgetrule_displayname.i_month) AND (v_budgetrule_displayname.t_category_condition='N' OR budget.rc_category_id=v_budgetrule_displayname.rc_category_id) ORDER BY v_budgetrule_displayname.t_absolute DESC, v_budgetrule_displayname.id) AS t_RULES FROM budget;

CREATE VIEW v_budget AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM v_budget_tmp;

CREATE VIEW v_budget_display AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM vm_budget_tmp;

CREATE VIEW v_budget_displayname AS SELECT *, t_CATEGORY||' '||t_PERIOD||' '||f_budgeted_modified AS t_displayname FROM v_budget;

CREATE TRIGGER fkdc_bank_parameters_uuid BEFORE DELETE ON bank FOR EACH ROW BEGIN

Create trigger function to handle triggers on the database.
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'bank'; END;
CREATE TRIGGER fkdc_account_parameters_uuid BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'account'; END;
CREATE TRIGGER fkdc_unit_parameters_uuid BEFORE DELETE ON unit FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unit'; END;
CREATE TRIGGER fkdc_unitvalue_parameters_uuid BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unitvalue'; END;
CREATE TRIGGER fkdc_category_parameters_uuid BEFORE DELETE ON category FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'category'; END;
CREATE TRIGGER fkdc_operation_parameters_uuid BEFORE DELETE ON operation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'operation'; END;
CREATE TRIGGER fkdc_interest_parameters_uuid BEFORE DELETE ON interest FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'interest'; END;
CREATE TRIGGER fkdc_suboperation_parameters_uuid BEFORE DELETE ON suboperation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'suboperation'; END;
CREATE TRIGGER fkdc_refund_parameters_uuid BEFORE DELETE ON refund FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'refund'; END;
CREATE TRIGGER fkdc_payee_parameters_uuid BEFORE DELETE ON payee FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'payee'; END;
CREATE TRIGGER fkdc_recurrentoperation_parameters_uuid BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'recurrentoperation'; END;
CREATE TRIGGER fkdc_rule_parameters_uuid BEFORE DELETE ON rule FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'rule'; END;
CREATE TRIGGER fkdc_budget_parameters_uuid BEFORE DELETE ON budget FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budget'; END;
CREATE TRIGGER fkdc_budgetrule_parameters_uuid BEFORE DELETE ON budgetrule FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budgetrule'; END;
CREATE TRIGGER cpt_category_fullname1 AFTER INSERT ON category BEGIN UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER cpt_category_fullname2 AFTER UPDATE OF t_name, rd_category_id ON category BEGIN UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER fkdc_category_delete BEFORE DELETE ON category FOR EACH ROW BEGIN
UPDATE suboperation SET r_category_id=OLD.rd_category_id WHERE r_category_id=OLD.id; END;
explain
SELECT TOTAL(f_CURRENTAMOUNT), d_DATEMONTH
from v_operation_display
WHERE d_DATEMONTH IN ("2012-05", "2012-04")
group by d_DATEMONTH, t_TYPEEXPENSE;
}
} /* Goto */

# The next test requires FTS4
if capable !fts3 {
    finish_test
    return
}

# Taken from the gnome-shell project
#
db close
forcedelete test.db
sqlite3 db test.db
do_test fuzz-oss1-gnomeshell {
    db eval {
        CREATE TABLE Resource (ID INTEGER NOT NULL PRIMARY KEY, Uri TEXT NOT NULL, UNIQUE (Uri));
        CREATE VIRTUAL TABLE fts USING fts4;
        CREATE TABLE "mfo:Action" (ID INTEGER NOT NULL PRIMARY KEY);
        CREATE TABLE "mfo:Enclosure" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:remoteLink" INTEGER, "mfo:remoteLink:graph" INTEGER, "mfo:groupByDefault" INTEGER, "mfo:groupByDefault:graph" INTEGER, "mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER, "mfo:optional:graph" INTEGER);
        CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localTime" INTEGER);
        CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
        CREATE TABLE "mfo:FeedType" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:name" TEXT COLLATE NOCASE, "mfo:name:graph" INTEGER);
        CREATE TABLE "mlo:GeoBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
        CREATE TABLE "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL, "mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL, "mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL, "mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL, "mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL, "mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp:graph" INTEGER, "mlo:timestamp:localDate" INTEGER NOT NULL, "mlo:timestamp:localTime" INTEGER NOT NULL);
CREATE TABLE "mlo:GeoSphere" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoSphere_mlo:radius" (ID INTEGER NOT NULL, "mlo:radius" REAL NOT NULL, "mlo:radius:graph" INTEGER);
CREATE TABLE "mlo:Landmark" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory_mlo:isRemovable" (ID INTEGER NOT NULL, "mlo:isRemovable" INTEGER NOT NULL, "mlo:isRemovable:graph" INTEGER);
CREATE TABLE "mlo:Landmark_mlo:belongsToCategory" (ID INTEGER NOT NULL, "mlo:belongsToCategory" INTEGER NOT NULL, "mlo:belongsToCategory:graph" INTEGER);
CREATE TABLE "mlo:Landmark_mlo:poiLocation" (ID INTEGER NOT NULL, "mlo:poiLocation" INTEGER NOT NULL, "mlo:poiLocation:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID INTEGER NOT NULL, "mlo:bbNorthWest" INTEGER NOT NULL, "mlo:bbNorthWest:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID INTEGER NOT NULL, "mlo:bbSouthEast" INTEGER NOT NULL, "mlo:bbSouthEast:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL, "mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL, "mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL, "mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL, "mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL, "mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp:graph" INTEGER, "mlo:timestamp:localDate" INTEGER NOT NULL, "mlo:timestamp:localTime" INTEGER NOT NULL);
CREATE TABLE "mto:DownloadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:State" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:SyncTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:TransferMethod" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:Transfer_mto:transferList" (ID INTEGER NOT NULL, "mto:transferList" INTEGER NOT NULL, "mto:transferList:graph" INTEGER);
CREATE TABLE "mto:Transfer_mto:transferPrivacyLevel" (ID INTEGER NOT NULL, "mto:transferPrivacyLevel" TEXT NOT NULL,
CREATE TABLE "mto:UploadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:UploadTransfer_mto:transferCategory" (ID INTEGER NOT NULL,
"mto:transferCategory" TEXT NOT NULL,
"mto:transferCategory:graph" INTEGER);
CREATE TABLE "http:ScanType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nao:Property" (ID INTEGER NOT NULL PRIMARY KEY,
"nao:propertyName" TEXT COLLATE NOCASE, "nao:propertyName:graph" INTEGER,
"nao:propertyValue" TEXT COLLATE NOCASE, "nao:propertyValue:graph" INTEGER);
CREATE TABLE "nao:Tag" (ID INTEGER NOT NULL PRIMARY KEY,
"nao:prefLabel" TEXT COLLATE NOCASE, "nao:prefLabel:graph" INTEGER,
"nao:description" TEXT COLLATE NOCASE, "nao:description:graph" INTEGER);
CREATE TABLE "nao:Tag_tracker:isDefaultTag" (ID INTEGER NOT NULL,
"tracker:isDefaultTag" INTEGER NOT NULL, "tracker:isDefaultTag:graph" INTEGER);
CREATE TABLE "nao:Tag_tracker:tagRelatedTo" (ID INTEGER NOT NULL,
"tracker:tagRelatedTo" INTEGER NOT NULL, "tracker:tagRelatedTo:graph" INTEGER);
CREATE TABLE "ncal:AccessClassification" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Alarm" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:repeat" INTEGER, "ncal:repeat:graph" INTEGER);
CREATE TABLE "ncal:AlarmAction" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Attachment" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:attachmentUri" INTEGER, "ncal:attachmentUri:graph" INTEGER,
"ncal:fmttype" TEXT COLLATE NOCASE, "ncal:fmttype:graph" INTEGER,
"ncal:encoding" INTEGER, "ncal:encoding:graph" INTEGER,
"ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER);
CREATE TABLE "ncal:AttachmentEncoding" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Attendee" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:delegatedTo" INTEGER, "ncal:delegatedTo:graph" INTEGER,
"ncal:delegatedFrom" INTEGER, "ncal:delegatedFrom:graph" INTEGER,
"ncal:cutype" INTEGER, "ncal:cutype:graph" INTEGER, "ncal:member" INTEGER,
"ncal:member:graph" INTEGER, "ncal:role" INTEGER, "ncal:role:graph" INTEGER,
"ncal:dir" INTEGER, "ncal:dir:graph" INTEGER,
"ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER,
"ncal:dir" INTEGER, "ncal:dir:graph" INTEGER,
"ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER,
"ncal:dir" INTEGER, "ncal:dir:graph" INTEGER);
CREATE TABLE "ncal:CalendarDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:CalendarScale" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:CalendarUserType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Calendar_ncal:component" (ID INTEGER NOT NULL, "ncal:component" INTEGER NOT NULL, "ncal:component:graph" INTEGER);
CREATE TABLE "ncal:Event" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:eventStatus" INTEGER, "ncal:eventStatus:graph" INTEGER, "ncal:transp" INTEGER, "ncal:transp:graph" INTEGER);
CREATE TABLE "ncal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Freebusy" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:FreebusyPeriod" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:fbtype" INTEGER, "ncal:fbtype:graph" INTEGER);
CREATE TABLE "ncal:FreebusyType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Freebusy_ncal:freebusy" (ID INTEGER NOT NULL, "ncal:freebusy" INTEGER NOT NULL, "ncal:freebusy:graph" INTEGER);
CREATE TABLE "ncal:Journal" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:journalStatus" INTEGER, "ncal:journalStatus:graph" INTEGER);
CREATE TABLE "ncal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:NcalDateTime" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:ncalTimezone" INTEGER, "ncal:ncalTimezone:graph" INTEGER, "ncal:date" INTEGER, "ncal:date:graph" INTEGER, "ncal:date:localDate" INTEGER, "ncal:date:localTime" INTEGER, "ncal:dateTime" INTEGER, "ncal:dateTime:graph" INTEGER, "ncal:dateTime:localDate" INTEGER, "ncal:dateTime:localTime" INTEGER);
CREATE TABLE "ncal:NcalTimeEntity" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Organizer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:ParticipationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceFrequency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceIdentifier" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:range" INTEGER, "ncal:range:graph" INTEGER, "ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph" INTEGER);
"ncal:completed:localDate" INTEGER, "ncal:completed:localTime"
INTEGER, "ncal:todoStatus" INTEGER, "ncal:todoStatus:graph" INTEGER,
"ncal:due" INTEGER, "ncal:due:graph" INTEGER);
CREATE TABLE "ncal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Trigger" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:related" INTEGER, "ncal:related:graph" INTEGER,
"ncal:triggerDateTime" INTEGER, "ncal:triggerDateTime:graph" INTEGER,
"ncal:triggerDateTime:localDate" INTEGER,
"ncal:triggerDateTime:localTime" INTEGER, "ncal:triggerDuration"
INTEGER, "ncal:triggerDuration:graph" INTEGER);
CREATE TABLE "ncal:TriggerRelation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:UnionParentClass" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:lastModified" INTEGER, "ncal:lastModified:graph" INTEGER,
"ncal:lastModified:localDate" INTEGER, "ncal:lastModified:localTime"
INTEGER, "ncal:trigger" INTEGER, "ncal:trigger:graph" INTEGER,
"ncal:created" INTEGER, "ncal:created:graph" INTEGER,
"ncal:created:localDate" INTEGER, "ncal:created:localTime" INTEGER,
"ncal:url" INTEGER, "ncal:url:graph" INTEGER, "ncal:comment" TEXT
COLLATE NOCASE, "ncal:comment:graph" INTEGER, "ncal:summaryAltRep"
INTEGER, "ncal:summaryAltRep:graph" INTEGER, "ncal:priority" INTEGER,
"ncal:priority:graph" INTEGER, "ncal:location" TEXT COLLATE NOCASE,
"ncal:location:graph" INTEGER, "ncal:uid" TEXT COLLATE NOCASE,
"ncal:uid:graph" INTEGER, "ncal:requestStatus" INTEGER,
"ncal:requestStatus:graph" INTEGER, "ncal:recurrenceId" INTEGER,
"ncal:recurrenceId:graph" INTEGER, "ncal:dtstamp" INTEGER,
"ncal:dtstamp:graph" INTEGER, "ncal:dtstamp:localDate" INTEGER,
"ncal:dtstamp:localTime" INTEGER, "ncal:class" INTEGER,
"ncal:class:graph" INTEGER, "ncal:organizer" INTEGER,
"ncal:organizer:graph" INTEGER, "ncal:dtend" INTEGER,
"ncal:dtend:graph" INTEGER, "ncal:summary" TEXT COLLATE NOCASE,
"ncal:summary:graph" INTEGER, "ncal:descriptionAltRep" INTEGER,
"ncal:descriptionAltRep:graph" INTEGER, "ncal:commentAltRep" INTEGER,
"ncal:commentAltRep:graph" INTEGER, "ncal:sequence" INTEGER,
"ncal:sequence:graph" INTEGER, "ncal:contact" TEXT COLLATE NOCASE,
"ncal:contact:graph" INTEGER, "ncal:contactAltRep" INTEGER,
"ncal:contactAltRep:graph" INTEGER, "ncal:locationAltRep" INTEGER,
"ncal:locationAltRep:graph" INTEGER, "ncal:geo" INTEGER,
"ncal:geo:graph" INTEGER, "ncal:resourcesAltRep" INTEGER,
"ncal:resourcesAltRep:graph" INTEGER, "ncal:dtstart" INTEGER,
"ncal:dtstart:graph" INTEGER, "ncal:dtstart:localDate" INTEGER,
"ncal:dtstart:localTime" INTEGER, "ncal:duration"
INTEGER, "ncal:duration:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attach" (ID INTEGER NOT NULL,
"ncal:attach" INTEGER NOT NULL, "ncal:attach:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attendee" (ID INTEGER NOT NULL,
"ncal:attendee" INTEGER NOT NULL, "ncal:attendee:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:categories" (ID INTEGER NOT NULL, "ncal:categories" TEXT NOT NULL, "ncal:categories:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exdate" (ID INTEGER NOT NULL, "ncal:exdate" INTEGER NOT NULL, "ncal:exdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exrule" (ID INTEGER NOT NULL, "ncal:exrule" INTEGER NOT NULL, "ncal:exrule:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:hasAlarm" (ID INTEGER NOT NULL, "ncal:hasAlarm" INTEGER NOT NULL, "ncal:hasAlarm:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:ncalRelation" (ID INTEGER NOT NULL, "ncal:ncalRelation" TEXT NOT NULL, "ncal:ncalRelation:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rdate" (ID INTEGER NOT NULL, "ncal:rdate" INTEGER NOT NULL, "ncal:rdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToChild" (ID INTEGER NOT NULL, "ncal:relatedToChild" TEXT NOT NULL, "ncal:relatedToChild:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToParent" (ID INTEGER NOT NULL, "ncal:relatedToParent" TEXT NOT NULL, "ncal:relatedToParent:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:resources" (ID INTEGER NOT NULL, "ncal:resources" TEXT NOT NULL, "ncal:resources:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rrule" (ID INTEGER NOT NULL, "ncal:rrule" INTEGER NOT NULL, "ncal:rrule:graph" INTEGER);
CREATE TABLE "ncal:Weekday" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Affiliation" (ID INTEGER NOT NULL PRIMARY KEY, "nco:department" TEXT COLLATE NOCASE, "nco:department:graph" INTEGER, "nco:org" INTEGER, "nco:org:graph" INTEGER, "nco:role" TEXT COLLATE NOCASE, "nco:role:graph" INTEGER);
CREATE TABLE "nco:Affiliation_nco:title" (ID INTEGER NOT NULL, "nco:title" TEXT NOT NULL, "nco:title:graph" INTEGER);
CREATE TABLE "nco:AuthorizationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:CarPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:CellPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
"nco:imPresence:graph" INTEGER, "nco:presenceLastModified" INTEGER,
"nco:presenceLastModified:graph" INTEGER,
"nco:presenceLastModified:localDate" INTEGER,
"nco:presenceLastModified:localTime" INTEGER,
"nco:imAddressAuthStatusFrom" INTEGER,
"nco:imAddressAuthStatusFrom:graph" INTEGER,
"nco:imAddressAuthStatusTo" INTEGER, "nco:imAddressAuthStatusTo:graph" INTEGER);
CREATE TABLE "nco:IMAddress_nco:imCapability" (ID INTEGER NOT NULL,
"nco:imCapability" INTEGER NOT NULL, "nco:imCapability:graph" INTEGER);
CREATE TABLE "nco:ICapability" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:InternationalDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IsdnNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:MessagingNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ModemNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:OrganizationContact" (ID INTEGER NOT NULL PRIMARY KEY, "nco:logo" INTEGER, "nco:logo:graph" INTEGER);
CREATE TABLE "nco:PagerNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ParcelDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PcsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PersonContact" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:nameFamily" TEXT COLLATE NOCASE, "nco:nameFamily:graph" INTEGER,
"nco:nameGiven" TEXT COLLATE NOCASE, "nco:nameGiven:graph" INTEGER,
"nco:nameAdditional" TEXT COLLATE NOCASE, "nco:nameAdditional:graph" INTEGER,
"nco:nameHonorificSuffix" TEXT COLLATE NOCASE, "nco:nameHonorificSuffix:graph" INTEGER, "nco:nameHonorificPrefix" TEXT COLLATE NOCASE, "nco:nameHonorificPrefix:graph" INTEGER,
"nco:hobby" TEXT COLLATE NOCASE, "nco:hobby:graph" INTEGER, "nco:gender" INTEGER, "nco:gender:graph" INTEGER);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL,
"nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER,
"nco:country" TEXT COLLATE NOCASE, "nco:country:graph" INTEGER,
"nco:extendedAddress" TEXT COLLATE NOCASE,
"nco:extendedAddress:graph" INTEGER, "nco:addressLocation" INTEGER,
"nco:addressLocation:graph" INTEGER, "nco:streetAddress" TEXT COLLATE NOCASE,
```
COLLATE NOCASE, "nco:pobox:graph" INTEGER);
CREATE TABLE "nco:PresenceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Role" (ID INTEGER NOT NULL PRIMARY KEY, "nco:video" INTEGER, "nco:video:graph" INTEGER);
CREATE TABLE "nco:Role_nco:blogUrl" (ID INTEGER NOT NULL, "nco:blogUrl" INTEGER NOT NULL, "nco:blogUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:foafUrl" (ID INTEGER NOT NULL, "nco:foafUrl" INTEGER NOT NULL, "nco:foafUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasContactMedium" (ID INTEGER NOT NULL, "nco:hasContactMedium" INTEGER NOT NULL, "nco:hasContactMedium:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasEmailAddress" (ID INTEGER NOT NULL, "nco:hasEmailAddress" INTEGER NOT NULL, "nco:hasEmailAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasIMAddress" (ID INTEGER NOT NULL, "nco:hasIMAddress" INTEGER NOT NULL, "nco:hasIMAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPhoneNumber" (ID INTEGER NOT NULL, "nco:hasPhoneNumber" INTEGER NOT NULL, "nco:hasPhoneNumber:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPostalAddress" (ID INTEGER NOT NULL, "nco:hasPostalAddress" INTEGER NOT NULL, "nco:hasPostalAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:url" (ID INTEGER NOT NULL, "nco:url" INTEGER NOT NULL, "nco:url:graph" INTEGER);
CREATE TABLE "nco:Role_nco:websiteUrl" (ID INTEGER NOT NULL, "nco:websiteUrl" INTEGER NOT NULL, "nco:websiteUrl:graph" INTEGER);
CREATE TABLE "nfo:Application" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Archive" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:uncompressedSize" INTEGER, "nfo:uncompressedSize:graph" INTEGER);
CREATE TABLE "nfo:ArchiveItem" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:isPasswordProtected" INTEGER, "nfo:isPasswordProtected:graph" INTEGER);
CREATE TABLE "nfo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
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CREATE TABLE "nfo:FileHash" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:hashValue" TEXT COLLATE NOCASE, "nfo:hashValue:graph" INTEGER, "nfo:hashAlgorithm" TEXT COLLATE NOCASE, "nfo:hashAlgorithm:graph" INTEGER);
CREATE TABLE "nfo:Filesystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FilesystemImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Folder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Font" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph" INTEGER, "nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
CREATE TABLE "nfo:HardDiskPartition" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HelpDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HtmlDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Icon" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Image" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:verticalResolution" INTEGER, "nfo:verticalResolution:graph" INTEGER, "nfo:horizontalResolution" INTEGER, "nfo:horizontalResolution:graph" INTEGER, "nfo:orientation" INTEGER, "nfo:orientation:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:depicts" (ID INTEGER NOT NULL, "nfo:depicts" INTEGER NOT NULL, "nfo:depicts:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:hasRegionOfInterest" (ID INTEGER NOT NULL, "nfo:hasRegionOfInterest" INTEGER NOT NULL, "nfo:hasRegionOfInterest:graph" INTEGER);
CREATE TABLE "nfo:MediaFileListEntry" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:listPosition" REAL, "nfo:listPosition:graph" INTEGER, "nfo:entryUrl" TEXT COLLATE NOCASE, "nfo:entryUrl:graph" INTEGER);
CREATE TABLE "nfo:MediaList" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "nie:InformationElement_nao:hasProperty" (ID INTEGER NOT NULL, "nao:hasProperty" INTEGER NOT NULL, "nao:hasProperty:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:contributor" (ID INTEGER NOT NULL, "nco:contributor" INTEGER NOT NULL, "nco:contributor:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:creator" (ID INTEGER NOT NULL, "nco:creator" INTEGER NOT NULL, "nco:creator:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasLogicalPart" (ID INTEGER NOT NULL, "nie:hasLogicalPart" INTEGER NOT NULL, "nie:hasLogicalPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasPart" (ID INTEGER NOT NULL, "nie:hasPart" INTEGER NOT NULL, "nie:hasPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:informationElementDate" (ID INTEGER NOT NULL, "nie:informationElementDate" INTEGER NOT NULL, "nie:informationElementDate:graph" INTEGER,
"nie:informationElementDate:localDate" INTEGER NOT NULL,
"nie:informationElementDate:localTime" INTEGER NOT NULL);
CREATE TABLE "nie:InformationElement_nie:isLogicalPartOf" (ID INTEGER NOT NULL, "nie:isLogicalPartOf" INTEGER NOT NULL, "nie:isLogicalPartOf:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:keyword" (ID INTEGER NOT NULL, "nie:keyword" TEXT NOT NULL, "nie:keyword:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:relatedTo" (ID INTEGER NOT NULL, "nie:relatedTo" INTEGER NOT NULL, "nie:relatedTo:graph" INTEGER);
CREATE TABLE "nmm:AnalogRadio" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:modulation" INTEGER, "nmm:modulation:graph" INTEGER,
"nmm:frequency" INTEGER, "nmm:frequency:graph" INTEGER);
CREATE TABLE "nmm:Artist" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:artistName" TEXT COLLATE NOCASE, "nmm:artistName:graph" INTEGER);
CREATE TABLE "nmm:DigitalRadio" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:streamingBitrate" INTEGER, "nmm:streamingBitrate:graph" INTEGER,
"nmm:encoding" TEXT COLLATE NOCASE, "nmm:encoding:graph" INTEGER,
"nmm:protocol" TEXT COLLATE NOCASE, "nmm:protocol:graph" INTEGER);
CREATE TABLE "nmm:Flash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:ImageList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MeteringMode" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MusicAlbum" (ID INTEGER NOT NULL PRIMARY KEY, "nie:title" TEXT COLLATE NOCASE, "nie:title:graph" INTEGER,
"nmm:albumTrackCount" INTEGER, "nmm:albumTrackCount:graph" INTEGER,
"nmm:albumTitle" TEXT COLLATE NOCASE, "nmm:albumTitle:graph" INTEGER,
"nmm:albumDuration" INTEGER, "nmm:albumDuration:graph" INTEGER,
"nmm:albumGain" INTEGER, "nmm:albumGain:graph" INTEGER,
"nmm:albumPeakGain" INTEGER, "nmm:albumPeakGain:graph" INTEGER);
CREATE TABLE "nmm:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "nmm:MusicAlbum_nmm:artist" (ID INTEGER NOT NULL, "nmm:artist" INTEGER NOT NULL, "nmm:artist:graph" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL, "nmm:lyrics" INTEGER NOT NULL, "nmm:lyrics:graph" INTEGER);
CREATE TABLE "nmm:Playlist" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioModulation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioStation" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:radioIcon" INTEGER, "nmm:radioIcon:graph" INTEGER, "nmm:radioPTY" INTEGER, "nmm:radioPTY:graph" INTEGER);
CREATE TABLE "nmm:RadioStation_nmm:carrier" (ID INTEGER NOT NULL, "nmm:carrier" INTEGER NOT NULL, "nmm:carrier:graph" INTEGER);
CREATE TABLE "nmm:SynchronizedText" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:isForHearingImpaired" INTEGER, "nmm:isForHearingImpaired:graph" INTEGER);
"nmm:producedBy:graph" INTEGER, "nmm:hasSubtitle" INTEGER,
"nmm:hasSubtitle:graph" INTEGER, "nmm:isContentEncrypted" INTEGER,
"nmm:isContentEncrypted:graph" INTEGER, "http:fourCC" TEXT COLLATE
NOCASE, "http:fourCC:graph" INTEGER, "http:waveformat" TEXT COLLATE
NOCASE, "http:waveformat:graph" INTEGER);
CREATE TABLE "nmm:Video_mtp:scantype" (ID INTEGER NOT NULL,
"mtp:scantype" INTEGER NOT NULL, "mtp:scantype:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL,
"nmm:director" INTEGER NOT NULL, "nmm:director:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL,
"nmm:leadActor" INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL,
"nmm:subtitle" INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER);
CREATE TABLE "nmm:WhiteBalance" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Call" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER,
"nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER,
"nmo:duration" INTEGER, "nmo:duration:graph" INTEGER);
CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY
KEY, "nmo:lastMessageDate" INTEGER, "nmo:lastMessageDate:graph"
INTEGER, "nmo:lastMessageDate:localDate" INTEGER,
"nmo:lastMessageDate:localTime" INTEGER, "nmo:lastSuccessfulMessageDate"
INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER,
"nmo:lastSuccessfulMessageDate:localDate" INTEGER,
"nmo:lastSuccessfulMessageDate:localTime" INTEGER);
CREATE TABLE "nmo:CommunicationChannel_nmo:hasParticipant" (ID INTEGER
NOT NULL, "nmo:hasParticipant" INTEGER NOT NULL,
"nmo:hasParticipant:graph" INTEGER);
CREATE TABLE "nmo:Conversation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:DeliveryStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Email" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:hasContent" INTEGER, "nmo:hasContent:graph" INTEGER,
"nmo:isFlagged" INTEGER, "nmo:isFlagged:graph" INTEGER, "nmo:isRecent"
INTEGER, "nmo:isRecent:graph" INTEGER, "nmo:status" TEXT COLLATE
NOCASE, "nmo:status:graph" INTEGER, "nmo:responseType" TEXT COLLATE
NOCASE, "nmo:responseType:graph" INTEGER);
CREATE TABLE "nmo:Email_nmo:contentMimeType" (ID INTEGER NOT NULL,
"nmo:contentMimeType" TEXT NOT NULL, "nmo:contentMimeType:graph"
INTEGER);
CREATE TABLE "nmo:IMMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:MMSMessage" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:mmsHasContent" INTEGER, "nmo:mmsHasContent:graph" INTEGER);
CREATE TABLE "nmo:MailAccount" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:accountName" TEXT COLLATE NOCASE, "nmo:accountName:graph"
INTEGER, "nmo:accountDisplayName" TEXT COLLATE NOCASE,
"nmo:accountDisplayName:graph" INTEGER, "nmo:fromAddress" INTEGER,
"nmo:fromAddress:graph" INTEGER, "nmo:signature" TEXT COLLATE NOCASE, 
"nmo:signature:graph" INTEGER);
CREATE TABLE "nmo:MailFolder" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:folderName" TEXT COLLATE NOCASE, "nmo:folderName:graph" INTEGER, 
"nmo:serverCount" INTEGER, "nmo:serverCount:graph" INTEGER, 
"nmo:serverUnreadCount" INTEGER, "nmo:serverUnreadCount:graph" INTEGER); 
CREATE TABLE "nmo:MailboxDataObject" (ID INTEGER NOT NULL PRIMARY KEY); 
CREATE TABLE "nmo:Message" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, 
"nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, 
"nmo:from" INTEGER, "nmo:from:graph" INTEGER, "nmo:isAnswered" INTEGER, 
"nmo:isAnswered:graph" INTEGER, "nmo:isDeleted" INTEGER, 
"nmo:isDraft" INTEGER, "nmo:isDraft:graph" INTEGER, "nmo:isRead" INTEGER, 
"nmo:isRead:graph" INTEGER, "nmo:isSent" INTEGER, "nmo:isSent:graph" INTEGER, 
"nmo:isEmergency" INTEGER, "nmo:isEmergency:graph" INTEGER, 
"nmo:htmlMessageContent" TEXT COLLATE NOCASE, 
"nmo:htmlMessageContent:graph" INTEGER, "nmo:messageId" TEXT COLLATE NOCASE, 
"nmo:messageId:graph" INTEGER, "nmo:messageSubject" TEXT COLLATE NOCASE, 
"nmo:messageSubject:graph" INTEGER, 
"nmo:receivedDate" INTEGER, "nmo:receivedDate:graph" INTEGER, 
"nmo:receivedDate:localDate" INTEGER, "nmo:receivedDate:localTime" INTEGER, 
"nmo:replyTo" INTEGER, "nmo:replyTo:graph" INTEGER, 
"nmo:sender" INTEGER, "nmo:sender:graph" INTEGER, "nmo:conversation" INTEGER, 
"nmo:conversation:graph" INTEGER, "nmo:communicationChannel" INTEGER, 
"nmo:communicationChannel:graph" INTEGER, 
"nmo:deliveryStatus" INTEGER, "nmo:deliveryStatus:graph" INTEGER, 
"nmo:reportDelivery" INTEGER, "nmo:reportDelivery:graph" INTEGER, 
"nmo:sentWithReportRead" INTEGER, "nmo:sentWithReportRead:graph" INTEGER, 
"nmo:reportReadStatus" INTEGER, "nmo:reportReadStatus:graph" INTEGER, 
"nmo:mustAnswerReportRead" INTEGER, 
"nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE NOCASE, 
"nmo:mmsId:graph" INTEGER); 
CREATE TABLE "nmo:MessageHeader" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:headerName" TEXT COLLATE NOCASE, "nmo:headerName:graph" INTEGER, 
"nmo:headerValue" TEXT COLLATE NOCASE, "nmo:headerValue:graph" INTEGER); 
CREATE TABLE "nmo:Message_nmo:bcc" (ID INTEGER NOT NULL, 
"nmo:bcc" INTEGER NOT NULL, "nmo:bcc:graph" INTEGER); 
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL, 
"nmo:cc" INTEGER NOT NULL, "nmo:cc:graph" INTEGER); 
CREATE TABLE "nmo:Message_nmo:hasAttachment" (ID INTEGER NOT NULL, 
"nmo:hasAttachment" INTEGER NOT NULL, "nmo:hasAttachment:graph" INTEGER); 
CREATE TABLE "nmo:Message_nmo:inReplyTo" (ID INTEGER NOT NULL, 
"nmo:inReplyTo" INTEGER NOT NULL, "nmo:inReplyTo:graph" INTEGER); 
CREATE TABLE "nmo:Message_nmo:messageHeader" (ID INTEGER NOT NULL, 
"nmo:messageHeader" INTEGER, "nmo:messageHeader:graph" INTEGER);
CREATE TABLE "rdfs:Property_rdfs:subPropertyOf" (ID INTEGER NOT NULL, "rdfs:subPropertyOf" INTEGER NOT NULL, "rdfs:subPropertyOf:graph" INTEGER);
CREATE TABLE "rdfs:Class" (ID INTEGER NOT NULL PRIMARY KEY, "tracker:notify" INTEGER, "tracker:notify:graph" INTEGER);
CREATE TABLE "rdfs:Class_rdfs:subClassOf" (ID INTEGER NOT NULL, "rdfs:subClassOf" INTEGER NOT NULL, "rdfs:subClassOf:graph" INTEGER);
CREATE TABLE "rdfs:Class_tracker:domainIndex" (ID INTEGER NOT NULL, "tracker:domainIndex" INTEGER NOT NULL, "tracker:domainIndex:graph" INTEGER);
CREATE TABLE "rdfs:Literal" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdfs:Resource_dc:contributor" (ID INTEGER NOT NULL, "dc:contributor" TEXT NOT NULL, "dc:contributor:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:date" (ID INTEGER NOT NULL, "dc:date" INTEGER, "dc:date:graph" INTEGER);
INTEGER NOT NULL, "dc:date:graph" INTEGER, "dc:date:localDate" INTEGER NOT NULL, "dc:date:localTime" INTEGER NOT NULL);
CREATE TABLE "rdfs:Resource_dc:relation" (ID INTEGER NOT NULL, "dc:relation" TEXT NOT NULL, "dc:relation:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:source" (ID INTEGER NOT NULL, "dc:source" INTEGER NOT NULL, "dc:source:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:deprecated" (ID INTEGER NOT NULL, "nao:deprecated" INTEGER NOT NULL, "nao:deprecated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:hasTag" (ID INTEGER NOT NULL, "nao:hasTag" INTEGER NOT NULL, "nao:hasTag:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:isRelated" (ID INTEGER NOT NULL, "nao:isRelated" INTEGER NOT NULL, "nao:isRelated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_rdf:type" (ID INTEGER NOT NULL, "rdf:type" INTEGER NOT NULL, "rdf:type:graph" INTEGER);
CREATE TABLE "scal:AccessLevel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendanceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Attendee_scal:delegated-from" (ID INTEGER NOT NULL, "scal:delegated-from" INTEGER NOT NULL, "scal:delegated-from:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:delegated-to" (ID INTEGER NOT NULL, "scal:delegated-to" INTEGER NOT NULL, "scal:delegated-to:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:member" (ID INTEGER NOT NULL, "scal:member" INTEGER NOT NULL, "scal:member:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:sent-by" (ID INTEGER NOT NULL, "scal:sent-by" INTEGER NOT NULL, "scal:sent-by:graph" INTEGER);
CREATE TABLE "scal:Calendar" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:CalendarAlarm" (ID INTEGER NOT NULL PRIMARY KEY, "scal:alarmOffset" INTEGER, "scal:alarmOffset:graph" INTEGER);
CREATE TABLE "scal:CalendarAlarm_scal:alarmAttendee" (ID INTEGER NOT NULL, "scal:alarmAttendee" INTEGER NOT NULL, "scal:alarmAttendee:graph" INTEGER);
"scal:priority:graph" INTEGER, "scal:rdate" INTEGER,
"scal:rdate:graph" INTEGER, "scal:exceptionRDate" INTEGER,
"scal:exceptionRDate:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:access" (ID INTEGER NOT NULL,
"scal:access" INTEGER NOT NULL, "scal:access:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:attachment" (ID INTEGER NOT NULL,
"scal:attachment" INTEGER NOT NULL, "scal:attachment:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:attendee" (ID INTEGER NOT NULL,
"scal:attendee" INTEGER NOT NULL, "scal:attendee:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:belongsToCalendar" (ID INTEGER NOT NULL,
"scal:belongsToCalendar" INTEGER NOT NULL, "scal:belongsToCalendar:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:contact" (ID INTEGER NOT NULL,
"scal:contact" INTEGER NOT NULL, "scal:contact:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_scal:rrule" (ID INTEGER NOT NULL,
"scal:rrule" INTEGER NOT NULL, "scal:rrule:graph" INTEGER);
CREATE TABLE "scal:CalendarUserType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Event" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:eventStatus" INTEGER, "scal:eventStatus:graph" INTEGER);
CREATE TABLE "scal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Journal" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:journalStatus" INTEGER, "scal:journalStatus:graph" INTEGER);
CREATE TABLE "scal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RSVPValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:recurrencePattern" TEXT COLLATE NOCASE,
"scal:recurrencePattern:graph" INTEGER, "scal:recurrenceStartDate"
INTEGER, "scal:recurrenceStartDate:graph" INTEGER, "scal:exception"
INTEGER, "scal:exception:graph" INTEGER);
CREATE TABLE "scal:TimePoint" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:dateTime" INTEGER, "scal:dateTime:graph" INTEGER,
"scal:dateTime:localDate" INTEGER, "scal:dateTime:localTime" INTEGER,
"scal:TimeZone" TEXT COLLATE NOCASE, "scal:TimeZone:graph" INTEGER);
CREATE TABLE "scal:Todo" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:todoStatus" INTEGER, "scal:todoStatus:graph" INTEGER, "scal:due"
INTEGER, "scal:due:graph" INTEGER, "scal:completed" INTEGER,
"scal:completed:graph" INTEGER, "scal:percentComplete" INTEGER,
"scal:percentComplete:graph" INTEGER);
CREATE TABLE "scal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:TransparencyValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "slo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY,
"slo:latitude" REAL, "slo:latitude:graph" INTEGER, "slo:longitude"
REAL, "slo:longitude:graph" INTEGER, "slo:verticalAccuracy" REAL,
"slo:verticalAccuracy:graph" INTEGER, "slo:horizontalAccuracy" REAL,
"slo:horizontalAccuracy:graph" INTEGER, "slo:altitude" REAL,
"slo:altitude:graph" INTEGER, "slo:boundingLatitudeMin" REAL,
"slo:boundingLatitudeMin:graph" INTEGER, "slo:boundingLatitudeMax"
REAL, "slo:boundingLatitudeMax:graph" INTEGER,
"slo:boundingLongitudeMin" REAL, "slo:boundingLongitudeMin:graph" INTEGER, "slo:boundingLongitudeMax" REAL,
"slo:boundingLongitudeMax:graph" INTEGER, "slo:radius" REAL,
"slo:radius:graph" INTEGER, "slo:timestamp" INTEGER,
"slo:timestamp:graph" INTEGER, "slo:timestamp:localDate" INTEGER,
"slo:timestamp:localTime" INTEGER, "slo:postalAddress" INTEGER,
"slo:postalAddress:graph" INTEGER);
CREATE TABLE "slo:Landmark" (ID INTEGER NOT NULL PRIMARY KEY,
"slo:iconUrl" INTEGER, "slo:iconUrl:graph" INTEGER);
CREATE TABLE "slo:LandmarkCategory" (ID INTEGER NOT NULL PRIMARY KEY,
"slo:isRemovable" INTEGER, "slo:isRemovable:graph" INTEGER,
"slo:categoryIconUrl" INTEGER, "slo:categoryIconUrl:graph" INTEGER);
CREATE TABLE "slo:Landmark_slo:belongsToCategory" (ID INTEGER NOT NULL,
"slo:belongsToCategory" INTEGER NOT NULL,
"slo:belongsToCategory:graph" INTEGER);
CREATE TABLE "slo:Landmark_slo:hasContact" (ID INTEGER NOT NULL,
"slo:hasContact" INTEGER NOT NULL, "slo:hasContact:graph" INTEGER);
CREATE TABLE "slo:Route" (ID INTEGER NOT NULL PRIMARY KEY,
"slo:startTime" INTEGER, "slo:startTime:graph" INTEGER,
"slo:startTime:localDate" INTEGER, "slo:startTime:localTime" INTEGER,
"slo:endTime" INTEGER, "slo:endTime:graph" INTEGER,
"slo:endTime:localDate" INTEGER, "slo:endTime:localTime" INTEGER);
CREATE TABLE "slo:Route_slo:routeDetails" (ID INTEGER NOT NULL,
"slo:routeDetails" TEXT NOT NULL, "slo:routeDetails:graph" INTEGER);
CREATE TABLE "tracker:Namespace" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:prefix" TEXT COLLATE NOCASE, "tracker:prefix:graph" INTEGER);
CREATE TABLE "tracker:Ontology" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID_ID" ON "mlo:GeoLocation_mlo:asGeoPoint" ("mlo:asGeoPoint", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID" ON "mlo:GeoLocation_mlo:asPostalAddress" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID_ID" ON "mlo:GeoLocation_mlo:asPostalAddress" ("mlo:asPostalAddress", ID);
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:address_ID_ID" ON "mlo:GeoPoint_mlo:address" (ID, "mlo:address");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:altitude_ID_ID" ON "mlo:GeoPoint_mlo:altitude" (ID, "mlo:altitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:city_ID_ID" ON "mlo:GeoPoint_mlo:city" (ID, "mlo:city");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:country_ID_ID" ON "mlo:GeoPoint_mlo:country" (ID, "mlo:country");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:latitude_ID_ID" ON "mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:longitude_ID_ID" ON "mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:state_ID_ID" ON "mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:timestamp_ID_ID" ON "mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE UNIQUE INDEX "mlo:GeoSphere_mlo:radius_ID_ID" ON "mlo:GeoSphere_mlo:radius" (ID, "mlo:radius");
CREATE UNIQUE INDEX "mlo:LandmarkCategory_mlo:isRemovable_ID_ID" ON "mlo:LandmarkCategory_mlo:isRemovable" (ID, "mlo:isRemovable");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:belongsToCategory_ID_ID" ON "mlo:Landmark_mlo:belongsToCategory" (ID, "mlo:belongsToCategory");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:poiLocation_ID_ID" ON "mlo:Landmark_mlo:poiLocation" (ID, "mlo:poiLocation");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxEastLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID, "mlo:boxEastLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxNorthLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID, "mlo:boxNorthLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxVerticalLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID, "mlo:boxVerticalLimit");
CREATE UNIQUE INDEX "mlo:Route_mlo:endTime_ID_ID" ON "mlo:Route_mlo:endTime" (ID, "mlo:endTime");
CREATE UNIQUE INDEX "mlo:Route_mlo:routeDetails_ID_ID" ON "mlo:Route_mlo:routeDetails" (ID, "mlo:routeDetails");
CREATE UNIQUE INDEX "mlo:Route_mlo:startTime_ID_ID" ON "mlo:Route_mlo:startTime" (ID, "mlo:startTime");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferList_ID_ID" ON "mto:Transfer_mto:transferList" (ID, "mto:transferList");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferPrivacyLevel_ID_ID" ON "mto:Transfer_mto:transferPrivacyLevel" (ID, "mto:transferPrivacyLevel");
CREATE UNIQUE INDEX "mto:UploadTransfer_mto:transferCategory_ID_ID" ON "mto:UploadTransfer_mto:transferCategory" (ID, "mto:transferCategory");
CREATE UNIQUE INDEX "nao:Tag_tracker:isDefaultTag_ID_ID" ON "nao:Tag_tracker:isDefaultTag" (ID, "tracker:isDefaultTag");
CREATE UNIQUE INDEX "nao:Tag_tracker:tagRelatedTo_ID_ID" ON "nao:Tag_tracker:tagRelatedTo" (ID, "tracker:tagRelatedTo");
CREATE UNIQUE INDEX "ncal:Alarm_ncal:action_ID_ID" ON "ncal:Alarm_ncal:action" (ID, "ncal:action");
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayModifier_ID_ID" ON "ncal:BydayRulePart_ncal:bydayModifier" (ID, "ncal:bydayModifier");
CREATE UNIQUE INDEX "ncal:Calendar_ncal:component_ID_ID" ON "ncal:Calendar_ncal:component" (ID, "ncal:component");
CREATE UNIQUE INDEX "ncal:Freebusy_ncal:freebusy_ID_ID" ON "ncal:Freebusy_ncal:freebusy" (ID, "ncal:freebusy");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday_ID_ID" ON "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byhour_ID_ID" ON "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byminute_ID_ID" ON "ncal:RecurrenceRule_ncal:byminute" (ID, "ncal:byminute");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonth_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonthday_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysecond_ID_ID" ON "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysetpos_ID_ID" ON "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno_ID_ID" ON "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday_ID_ID" ON "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach_ID_ID" ON "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee_ID_ID" ON "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories_ID_ID" ON "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate_ID_ID" ON "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exrule_ID_ID" ON "ncal:UnionParentClass_ncal:exrule" (ID, "ncal:exrule");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:hasAlarm_ID_ID" ON "ncal:UnionParentClass_ncal:hasAlarm" (ID, "ncal:hasAlarm");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:ncalRelation_ID_ID" ON "ncal:UnionParentClass_ncal:ncalRelation" (ID, "ncal:ncalRelation");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rdate_ID_ID" ON "ncal:UnionParentClass_ncal:rdate" (ID, "ncal:rdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToChild_ID_ID" ON "ncal:UnionParentClass_ncal:relatedToChild" (ID, "ncal:relatedToChild");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToParent_ID_ID" ON "ncal:UnionParentClass_ncal:relatedToParent" (ID, "ncal:relatedToParent");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:resources_ID_ID" ON "ncal:UnionParentClass_ncal:resources" (ID, "ncal:resources");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule_ID_ID" ON "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule");
CREATE UNIQUE INDEX "nco:Affiliation_nco:title_ID_ID" ON "nco:Affiliation_nco:title" (ID, "nco:title");
CREATE UNIQUE INDEX "nco:ContactList_nco:containsContact_ID_ID" ON "nco:ContactList_nco:containsContact" (ID, "nco:containsContact");
CREATE UNIQUE INDEX "nco:Contact_nco:belongsToGroup_ID_ID" ON "nco:Contact_nco:belongsToGroup" (ID, "nco:belongsToGroup");
CREATE INDEX "nco:PersonContact_nco:nameFamily" ON "nco:PersonContact" ("nco:nameFamily");
CREATE INDEX "nco:PhoneNumber_nco:phoneNumber" ON "nco:PhoneNumber" ("nco:phoneNumber");
CREATE UNIQUE INDEX "nco:Role_nco:blogUrl_ID_ID" ON "nco:Role_nco:blogUrl" (ID, "nco:blogUrl");
CREATE UNIQUE INDEX "nco:Role_nco:foafUrl_ID_ID" ON "nco:Role_nco:foafUrl" (ID, "nco:foafUrl");
CREATE UNIQUE INDEX "nco:Role_nco:hasContactMedium_ID_ID" ON "nco:Role_nco:hasContactMedium" (ID, "nco:hasContactMedium");
CREATE INDEX "nco:Role_nco:hasEmailAddress_ID" ON "nco:Role_nco:hasEmailAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasEmailAddress_ID_ID" ON "nco:Role_nco:hasEmailAddress" ("nco:EmailAddress", ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasIMAddress_ID_ID" ON "nco:Role_nco:hasIMAddress" (ID, "nco:hasIMAddress");
CREATE UNIQUE INDEX "nco:Role_nco:hasPhoneNumber_ID_ID" ON "nco:Role_nco:hasPhoneNumber" (ID, "nco:hasPhoneNumber");
CREATE INDEX "nco:Role_nco:hasPostalAddress_ID" ON "nco:Role_nco:hasPostalAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasPostalAddress_ID_ID" ON "nco:Role_nco:hasPostalAddress" ("nco:PostalAddress", ID);
CREATE UNIQUE INDEX "nco:Role_nco:url_ID_ID" ON "nco:Role_nco:url" (ID, "nco:url");
CREATE UNIQUE INDEX "nco:Role_nco:websiteUrl_ID_ID" ON "nco:Role_nco:websiteUrl" (ID, "nco:websiteUrl");
CREATE UNIQUE INDEX "nfo:BookmarkFolder_nfo:containsBookmarkFolder_ID_ID" ON "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID, "nfo:containsBookmarkFolder");
CREATE UNIQUE INDEX "nfo:BookmarkFolder_nfo:containsBookmark_ID_ID" ON "nfo:BookmarkFolder_nfo:containsBookmark" (ID, "nfo:containsBookmark");
CREATE INDEX "nfo:FileDataObject_nfo:fileLastModified" ON "nfo:FileDataObject" ("nfo:fileLastModified");
CREATE UNIQUE INDEX "nfo:Image_nfo:depicts_ID_ID" ON "nfo:Image_nfo:depicts" (ID, "nfo:depicts");
CREATE UNIQUE INDEX "nfo:Image_nfo:hasRegionOfInterest_ID_ID" ON "nfo:Image_nfo:hasRegionOfInterest" (ID, "nfo:hasRegionOfInterest");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:hasMediaFileListEntry_ID_ID" ON "nfo:MediaList_nfo:hasMediaFileListEntry" (ID, "nfo:hasMediaFileListEntry");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:mediaListEntry_ID_ID" ON "nfo:MediaList_nfo:mediaListEntry" (ID, "nfo:mediaListEntry");
CREATE UNIQUE INDEX "nfo:Media_mtp:hidden_ID_ID" ON "nfo:Media_mtp:hidden" (ID, "mtp:hidden");
CREATE UNIQUE INDEX "nfo:Media_nmm:alternativeMedia_ID_ID" ON "nfo:Media_nmm:alternativeMedia" (ID, "nmm:alternativeMedia");
CREATE INDEX "nfo:Visual_nie:contentCreated" ON "nfo:Visual" ("nie:contentCreated");
CREATE UNIQUE INDEX "nid3:ID3Audio_nid3:leadArtist_ID_ID" ON "nid3:ID3Audio_nid3:leadArtist" (ID, "nid3:leadArtist");
CREATE UNIQUE INDEX "nie:DataObject_nie:dataSource_ID_ID" ON "nie:DataObject_nie:dataSource" (ID, "nie:dataSource");
CREATE UNIQUE INDEX "nmm:Video_nmm:leadActor_ID_ID" ON "nmm:Video_nmm:leadActor" (ID, "nmm:leadActor")
CREATE UNIQUE INDEX "nmm:Video_nmm:subtitle_ID_ID" ON "nmm:Video_nmm:subtitle" (ID, "nmm:subtitle")
CREATE INDEX "nmo:Call_nmo:sentDate" ON "nmo:Call" ("nmo:sentDate")
CREATE INDEX "nmo:CommunicationChannel_nmo:hasParticipant_ID" ON "nmo:CommunicationChannel_nmo:hasParticipant" (ID)
CREATE UNIQUE INDEX "nmo:CommunicationChannel_nmo:hasParticipant_ID_ID" ON "nmo:CommunicationChannel_nmo:hasParticipant"("nmo:hasParticipant", ID)
CREATE INDEX "nmo:CommunicationChannel_nmo:lastMessageDate" ON "nmo:CommunicationChannel" ("nmo:lastMessageDate")
CREATE UNIQUE INDEX "nmo:Email_nmo:contentMimeType_ID_ID" ON "nmo:Email_nmo:contentMimeType" (ID, "nmo:contentMimeType")
CREATE UNIQUE INDEX "nmo:Message_nmo:bcc_ID_ID" ON "nmo:Message_nmo:bcc" (ID, "nmo:bcc")
CREATE UNIQUE INDEX "nmo:Message_nmo:cc_ID_ID" ON "nmo:Message_nmo:cc" (ID, "nmo:cc")
CREATE INDEX "nmo:Message_nmo:conversation" ON "nmo:Message" ("nmo:conversation")
CREATE INDEX "nmo:Message_nmo:from" ON "nmo:Message" ("nmo:from")
CREATE UNIQUE INDEX "nmo:Message_nmo:hasAttachment_ID_ID" ON "nmo:Message_nmo:hasAttachment" (ID, "nmo:hasAttachment")
CREATE UNIQUE INDEX "nmo:Message_nmo:inReplyTo_ID_ID" ON "nmo:Message_nmo:inReplyTo" (ID, "nmo:inReplyTo")
CREATE UNIQUE INDEX "nmo:Message_nmo:messageHeader_ID_ID" ON "nmo:Message_nmo:messageHeader" (ID, "nmo:messageHeader")
CREATE UNIQUE INDEX "nmo:Message_nmo:recipient_ID_ID" ON "nmo:Message_nmo:recipient" (ID, "nmo:recipient")
CREATE UNIQUE INDEX "nmo:Message_nmo:references_ID_ID" ON "nmo:Message_nmo:references" (ID, "nmo:references")
CREATE INDEX "nmo:Message_nmo:sender" ON "nmo:Message" ("nmo:sender")
CREATE INDEX "nmo:Message_nmo:sentDate" ON "nmo:Message" ("nmo:sentDate")
CREATE INDEX "nmo:Message_nmo:to_ID" ON "nmo:Message_nmo:to" (ID)
CREATE UNIQUE INDEX "nmo:Message_nmo:to_ID_ID" ON "nmo:Message_nmo:to" (ID, "nmo:to")
CREATE UNIQUE INDEX "nmo:Message_nmo:inReplyTo" ON "nmo:Message" ("nmo:inReplyTo")
CREATE UNIQUE INDEX "nmo:MimePart_nmo:mimeHeader_ID_ID" ON "nmo:MimePart_nmo:mimeHeader" (ID, "nmo:mimeHeader")
CREATE UNIQUE INDEX "nmo:Multipart_nmo:partBoundary_ID_ID" ON "nmo:Multipart_nmo:partBoundary" (ID, "nmo:partBoundary")
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder_ID_ID" ON "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID, "nmo:containsPhoneMessageFolder")
CREATE UNIQUE INDEX
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessage_ID_ID" ON "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID, "nmo:containsPhoneMessage");
CREATE UNIQUE INDEX "nmo:PhoneMessage_nmo:toVCard_ID_ID" ON "nmo:PhoneMessage_nmo:toVCard" (ID, "nmo:toVCard");
CREATE UNIQUE INDEX "rdf:Property_rdfs:subPropertyOf_ID_ID" ON "rdf:Property_rdfs:subPropertyOf" (ID, "rdfs:subPropertyOf");
CREATE UNIQUE INDEX "rdfs:Class_rdfs:subClassOf_ID_ID" ON "rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
CREATE UNIQUE INDEX "rdfs:Class_tracker:domainIndex_ID_ID" ON "rdfs:Class_tracker:domainIndex" (ID, "tracker:domainIndex");
CREATE UNIQUE INDEX "rdfs:Resource_dc:contributor_ID_ID" ON "rdfs:Resource_dc:contributor" (ID, "dc:contributor");
CREATE UNIQUE INDEX "rdfs:Resource_dc:date_ID_ID" ON "rdfs:Resource_dc:date" (ID, "dc:date");
CREATE UNIQUE INDEX "rdfs:Resource_nao:deprecated_ID_ID" ON "rdfs:Resource_nao:deprecated" (ID, "nao:deprecated");
CREATE INDEX "rdfs:Resource_nao:hasTag_ID" ON "rdfs:Resource_nao:hasTag" (ID);
CREATE UNIQUE INDEX "rdfs:Resource_nao:hasTag_ID_ID" ON "rdfs:Resource_nao:hasTag" ("nao:hasTag", ID);
CREATE UNIQUE INDEX "rdfs:Resource_nao:isRelated_ID_ID" ON "rdfs:Resource_nao:isRelated" (ID, "nao:isRelated");
CREATE UNIQUE INDEX "rdfs:Resource_rdf:type_ID_ID" ON "rdfs:Resource_rdf:type" (ID, "rdf:type");
CREATE INDEX "rdfs:Resource_tracker:added" ON "rdfs:Resource" ("tracker:added");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-from_ID_ID" ON "scal:Attendee_scal:delegated-from" (ID, "scal:delegated-from");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-to_ID_ID" ON "scal:Attendee_scal:delegated-to" (ID, "scal:delegated-to");
CREATE UNIQUE INDEX "scal:Attendee_scal:belongsToCalendar_ID_ID" ON "scal:Attendee_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE UNIQUE INDEX "scal:Attendee_scal:member_ID_ID" ON "scal:Attendee_scal:member" (ID, "scal:member");
CREATE UNIQUE INDEX "scal:Attendee_scal:sent-by_ID_ID" ON "scal:Attendee_scal:sent-by" (ID, "scal:sent-by");
CREATE UNIQUE INDEX "scal:CalendarAlarm_scal:alarmAttendee_ID_ID" ON "scal:CalendarAlarm_scal:alarmAttendee" (ID, "scal:alarmAttendee");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:access_ID_ID" ON "scal:CalendarItem_scal:access" (ID, "scal:access");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attachment_ID_ID" ON "scal:CalendarItem_scal:attachment" (ID, "scal:attachment");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:belongsToCalendar_ID_ID" ON "scal:CalendarItem_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:contact_ID_ID" ON "scal:CalendarItem_scal:contact" (ID, "scal:contact");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:rrule_ID_ID" ON "scal:CalendarItem_scal:rrule" (ID, "scal:rrule");
CREATE INDEX "slo:GeoLocation_slo:postalAddress" ON "slo:GeoLocation" ("slo:postalAddress");
CREATE UNIQUE INDEX "slo:Landmark_slo:belongsToCategory_ID_ID" ON "slo:Landmark_slo:belongsToCategory" (ID, "slo:belongsToCategory");
CREATE UNIQUE INDEX "slo:Landmark_slo:hasContact_ID_ID" ON "slo:Landmark_slo:hasContact" (ID, "slo:hasContact");
CREATE UNIQUE INDEX "slo:Route_slo:routeDetails_ID_ID" ON "slo:Route_slo:routeDetails" (ID, "slo:routeDetails");

EXPLAIN SELECT "1_u", (SELECT "nco:fullname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameFamily" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameGiven" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameAdditional" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificPrefix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificSuffix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nickname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, strftime("%s",(SELECT "nco:birthDate" FROM "nco:Contact" WHERE ID = "1_u")), (SELECT "nie:url" FROM "nie:DataObject" WHERE ID = (SELECT "nco:photo" FROM "nco:Contact" WHERE ID = "1_u")) COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imNickname" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE), '
') FROM (SELECT "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasIMAddress3"."nco:hasIMAddress" AS "3_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation2", "nco:Role_nco:hasIMAddress3" AS "nco:Role_nco:hasIMAddress2" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" = "nco:Role_nco:hasIMAddress3"."ID"), (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE)||SELECT "nco:phoneNumber" FROM "nco:PhoneNumber" WHERE ID = "4_u") COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imNickname" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE), '
') FROM (SELECT "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasPhoneNumber5"."nco:hasPhoneNumber" AS "4_u" FROM "nco:PersonContact_nco:hasAffiliation4", "nco:PersonContact_nco:hasAffiliation" AS "3_u", "nco:Role_nco:hasIMAddress2", "nco:Role_nco:hasIMAddress3" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation4"."ID" AND "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" = "nco:Role_nco:hasIMAddress2"."ID"))

Open Source Used In Cisco Auto Inline Retuner 2.1.0 16375
"nco:Role_nco:hasPhoneNumber" AS "nco:Role_nco:hasPhoneNumber5"
WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation4"."ID" AND
"nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" =
"nco:Role_nco:hasPhoneNumber5"."ID")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||(SELECT "nco:emailAddress"
FROM "nco:EmailAddress" WHERE ID = "5_u") COLLATE NOCASE, ")
FROM (SELECT "nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation"
AS "1_u" = "nco:PersonContact_nco:hasAffiliation6"."ID")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID =
"nco:blogUrl"),',') FROM "nco:Role_nco:blogUrl" WHERE ID =
"2_u") ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT
GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID =
"nco:websiteUrl"),',') FROM "nco:Role_nco:websiteUrl" WHERE ID =
"2_u") ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT
GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID = "nco:url"),',')
FROM "nco:Role_nco:url" WHERE ID = "2_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation8"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation8"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
"nco:gender" FROM "nco:PersonContact" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:pobox" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation10"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation10" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation10"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:postOfficeBox" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation12"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation12" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation12"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:postalCode" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation14"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation14" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation14"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:zipCode" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation16"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation16" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation16"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:streetAddress" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation18"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation18" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation18"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:country" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation20"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation20" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation20"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:state" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation22"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation22" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation22"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:city" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation24"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation24" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation24"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:stateProvince" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation26"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation26" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation26"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")], (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT
"nco:countryRegion" FROM "nco:PostalAddress" WHERE ID = "1_u") ? COLLATE NOCASE),
"u") FROM (SELECT
"nco:PersonContact_nco:hasAffiliation28"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation28" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation28"."ID")], (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u")]]
without a shared lock, other processes are free to modify the database.

<h3>Proprietary SQLite Extensions</h3>

<a href="copyright.html">public domain</a>. But there also exist proprietary, licensed extensions to SQLite, written and maintained.

You are welcomed to use SQLite in closed source, proprietary, and/or

Suppose the demo_data.boundary field holds some proprietary data description.

Rather than using fopen() to write XML or some proprietary format into

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

This file implements regression tests for SQLite library. The focus of this script is testing the FTS2 module.

# $Id: fts2c.test,v 1.1 2006/10/19 23:36:26 shess Exp $
#

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS2 is defined, omit this file.
if capable !fts2 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email archives of Enron executives that was published as part of the litigation against that company.

do_test fts2c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts2([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

Volume on Autohedge transactionVolume Hedged
INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com','Leaving Early', 'FYI:
If it’s ok with everyone’s needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o’clock hour just let me know: I’ll
be more than willing to stay.);
INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com',
'louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready
for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com);
INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work
request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,
I'd like to review this today at 1:30 in our office. Also, could you provide
me with your activity reports so I can have Julie enter this information.

JD);
INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com,
scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html);
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com',
'Re: First Polish Deal!!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');
INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001',
'The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001
-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
INSERT INTO email([from],[to],subject,body) VALUES('david.delaiey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy, Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,
lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.
Wendy');
INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,

If Julie’s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd’s sheets as well.
Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent: Thursday, December 20, 2001 11:10 AM
To: McCarty, Danny
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT');
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com, ', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&TV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', Open Source Used In Cisco Auto Inline Retuner 2.1.0 16382
Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');
INSERT INTO email([from],[to],subject,body) VALUES('d.steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.

- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');
INSERT INTO email([from],[to],subject,body) VALUES('enron.announcements@enron.com', 'all_ena_egm_eim@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW !

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating

We provide drinks and dessert. RSVP x 3-9610');
INSERT INTO email([from],[to],subject,body) VALUES('chris.germany@enron.com', 'ingrid.immer@williams.com', 'Re: About St Pauls', 'Sounds good to me. I bet this is next to the Warick?? Hotel.
Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url
LS HPL LSK IC       30.000 / Enron

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');

INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', '
'Huber Internal Memo', 'Please look at this. I didn''t know how deep to go with the desk. Do you think this works.

');

INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,
Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160');

INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');

INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');

INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "'Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
"Leila Mankarious@mhhs.org>, "'Marymankarious (E-mail)"
"marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

Thanks

----------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM -----------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM
To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast
WK
'):

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

I saw it. Very interesting.
Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

'));
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com',
'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com,
chaun.roberts@enron.com, judy.martinez@enron.com,', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.
Thanks,

Eric

INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm.tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE][IMAGE][IMAGE][IMAGE]

Dear SmartReminders Member,

[IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

Ben

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA’s in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!

Ben

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');
Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM  To: ""smara@enron.com"
<smara@enron.com>  cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch);
INSERT INTO email([from],[to],subject,body) VALUES('nailia.dindarova@enron.com',
'richard.shapiro@enron.com', 'Documents for Mark Frevert (on EU developments and lessons from', 'Rick,

Here are the documents that Peter has prepared for Mark Frevert.

Nailia
------------------------ Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001
16:36 ------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUNronXGate
cc: Ross Sankey/Enron@EUNronXGate, Eric Shaw/ENRON@EUNronXGate, Peter
Styles/LON/ECT@ECT
Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

Attched are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  Finalize market analysis to refine business case, specifically projected revenue stream
  Complete counterparty surveying, including targeting 3 CPs for letters of intent
  Review Enron asset base for potential reuse/licensing
  Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katy tailgate GD at buyers option three days prior to NYMEX close.

');

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - " *Koch, Kent" <kkoch@nisource.com>, " - " *Millar, Debra" <dmillard@nisource.com>, " - " *Burke, Lynn" <lburke@nisource.com>
c: " - " *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc
');

mike.carson@enron.com on 03/09/2001 11:04 AM
To: Judy Townsend/HOU/ECT
cc: Judy Townsend/HOU/ECT
Subject: Columbia Distribution’s Capacity Available for Release - Sum

Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04 AM

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - " *Koch, Kent" <kkoch@nisource.com>, " - " *Millar, Debra" <dmillard@nisource.com>, " - " *Burke, Lynn" <lburke@nisource.com>
c: " - " *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

Did you come in town this wk end..... My new number at our house is:
713-668-3712...... my cell # is 281-381-7332

the kid);
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', '"

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.
"

I haven’t talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas
logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are
stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com,’, ‘2001 Enron Law Conference
(Distribution List 2),’ ‘Enron Law Conference

San Antonio, Texas May 2-4, 2001 Westin Riverwalk
See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re: ', 'hey - thats funny about john - he definitely remembers him - i''ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I''ll get it done today.

DG 3-9573

From: Bryce Baxter 06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,
In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey

');
INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com',
'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com;', 'Postings', 'Please see the attached.

ds

');
INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com,
'james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com');
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB rumor mill. Hope things are well, happy holidays.
PL');
INSERT INTO email([from],[to],subject,body) VALUES('marie.heard@enron.com', 'ehamilton@fna.com', 'ISDA Master Agreement', 'Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.
Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

'),
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

'),
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', '
Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

'),
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.
We also need to continue to explore a JEA buy-out.

Thanks.

INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg,

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');

INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out.....

www.gorelieberman-2000.com/');

INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).

This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');

INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com', 'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance

-Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please. Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:08 AM
To: Grace, Rebecca M.
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio
Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy, L.P., effective February 1, 2001, with the surviving entity being El Paso Merchant Energy, L.P. We currently have ISDA Master Agreements with both counterparties. Please see the attached memo regarding the existing Masters and let us know which agreement should be terminated.

Thanks,
Stephanie

---Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

Centana', 'Talked to Chip. We do need Cash Committee approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666);
Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!

Best regards

Diana Seifert
EOL PCG

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/

Australia:
1800 678-515
support@palm-au.com
Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.';

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore
281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject:

Coral
Jeff Whitnah
713-767-5374
Relaint
Steve McGinn
713-207-4000

Start Date: 4/22/01; HourAhead hour: 3; <CODESITE>.
Start Date: 4/22/01; HourAhead hour: 3; No ancillary
schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
SC_ID: EPMI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '
This week's Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');
   COMMIT;
} }
}
Everything above just builds an interesting test database. The actual
tests come after this comment.

```sql
do_test fts2c-1.2 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
  } {6 17 25 38 40 42 73 74}
}
do_test fts2c-1.3 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
  } {24 40}
}
do_test fts2c-1.4 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  } {40}
}
do_test fts2c-1.5 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
  } {40}
}
do_test fts2c-1.6 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '"mark susan"'
  } {}
}
do_test fts2c-1.7 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  } {6 17 25 38 42 73 74}
}
do_test fts2c-1.8 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  } {24}
}
do_test fts2c-1.9 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
  } {6 17 24 25 38 40 42 73 74}
}
```

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts2c-2.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
    }
} {20 \{2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3\}}
do_test fts2c-2.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
    }
} {20 \{2 0 42 3 2 1 54 8 3 1 54 8\}}
do_test fts2c-2.3 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
    }
} {20 \{2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3\}}
do_test fts2c-2.4 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
    }
} {20 \{2 0 42 3 2 1 54 8\}}
do_test fts2c-2.5 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
    }
} {20 \{3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3\}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts2c-3.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
    }
} {32 \{3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7\}}
do_test fts2c-3.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
# Snippet generator tests

do_test fts2c-4.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
}

do_test fts2c-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
}

do_test fts2c-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts2c-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts2c-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
}

do_test fts2c-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
}

}
Hotel. <b>...</b> place.? What do you think about going <b>here</b> Christmas eve?? They have an 11:00 a.m. <b>...</b> }}
do_test fts2c-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
}
}
{{Erin:

<b>Pursuant</b> <b>to</b> your request, attached are the Schedule to <b>...</b> }}
do_test fts2c-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
}
{{pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b> schedules awarded.
Variance detected.
Variances detected in <b>Load</b> schedule.

LOG MESSAGES:

PARSING <b>...</b> }}

# Combinations of AND and OR operators:
#

do_test fts2c-5.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
}
}
{{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}
do_test fts2c-5.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
}
}
{{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}
finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

INSERT INTO x1 VALUES('blonds', 'proprietary');

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module.
#
# $Id: fts1c.test,v 1.11 2006/10/04 17:35:28 drh Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
  finish_test
  return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.

# do_test fts1c-1.1 {
#  db eval {
  CREATE VIRTUAL TABLE email USING fts1([from],[to],subject,body);
  BEGIN TRANSACTION;
}
The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

? If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
? If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
? For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent’s Settings:
Minimum: 5000
Increment: 1000

<table>
<thead>
<tr>
<th>Volume on Autohedge transaction</th>
<th>Volume Hedged</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24990</td>
</tr>
<tr>
<td>2500 - 54995000</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 64996000</td>
<td></td>
</tr>
</tbody>
</table>

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/
me with your activity reports so I can have Julie enter this information.

JD');
INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com,
scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html');
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com',
'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');
INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001',
The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com',
'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would
be to offer up the Falcon for their use; however, given the tight time frame
and your recent visit with Mr. Fox that it would be difficult for either you
or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com',
'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

As discussed, attached are your sheets for bonus and merit.

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>

TEAM,
PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT):

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com,'); TRV Notification: (NG - PROPT P/L - 09/27/2001'), 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.');
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.
- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');}
You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch. Limited Seating
We provide drinks and dessert. RSVP x 3-9610;

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: "chris.germany@enron.com" <chris.germany@enron.com>
cc:
Subject: About St Pauls

<=About St Pauls.url>>
?
?http://www.stpaulshouston.org/about.html

Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url

');

INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com', 'Reply Brief filed July 31, 2000', '- CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');
As discussed in the Winter Operations Meeting on Sept. 29, 2000, E-Gas (Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations (daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.

Here is a goody for you:

LS HPL LSK IC 30.000 / Enron

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira);

Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160');

FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.';

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
<Leila_Mankarious@mhhs.org>, "Marymankarious (E-mail)"
<mmarymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival
<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'sherry.dawson@enron.com', 'Urgent!!! --- New EAST books', 'This has to be done..............................................

Thanks
-------------------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM --------------------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David
Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R
Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra
Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is
extremely important that any deal booked to the East is communicated quickly
to someone on my team. I know it will take some time for the new names to
sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

wk

');

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will
affect any Inactive Child.

An inactive Child with links to Parent products will not have their
calculated prices updated until the Child product is Activated.
When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc:
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');

INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com, chaun.roberts@enron.com, judy.martinez@enron.com', 'Disaster Recovery Equipment', 'As a reminder...there are
several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760);

INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,' Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');

INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE][IMAGE][IMAGE][IMAGE]

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.
SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '
The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, karen.denne@enron.com,', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.
Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM ----- 
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM 
To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie

http://www.caiso.com/docs/2001/06/08/200106081005526469.pdf'
');

INSERT INTO email([from],[to],subject,body) VALUES('fletcher.sturm@enron.com', 'eloy.escobar@enron.com', 'Re: General Brinks Position Meeting', 'Eloy,
Who is General Brinks?

Fletch');
INSERT INTO email([from],[to],subject,body) VALUES('nailia.dindarova@enron.com',
'richard.shapiro@enron.com', 'Documents for Mark Frevert (on EU developments and lessons from', 'Rick,

Here are the documents that Peter has prepared for Mark Frevert.

Nailia
---------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001
16:36 ---------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EnronXGate
cc: Ross Sankey/Enron@EnronXGate, Eric Shaw/ENRON@EnronXGate, Peter
Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert.
He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com',
'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
   Finalize market analysis to refine business case, specifically projected revenue stream
   Complete counterparty surveying, including targeting 3 CPs for letters of intent
   Review Enron asset base for potential reuse/ licensing
   Contract negotiations
Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.
If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc
');
INSERT INTO email(from,to,subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com', 'Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');
INSERT INTO email(from,to,subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michelearly@earthlink.net', 'Oral Argument Request', ' - Oral Argument Request.doc');
INSERT INTO email(from,to,subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', ', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid');
INSERT INTO email(from,to,subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', 'avigator contains the identical information. 

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

It's been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');
INSERT INTO email(from,to,subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com', 'email address change', 'Hello all.

I haven"t talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com;', '2001 Enron Law Conference (Distribution List 2)', 'Enron Law Conference
San Antonio, Texas     May 2-4, 2001     Westin Riverwalk
See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i’ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,
I'll get it done today.

DG     3-9573
From: Bryce Baxter       06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you
complete her feedback by end of business Wednesday? It will really help me
in the PRC process to have your input. Thanks.

');
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey');
INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com', 'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com', 'Postings', 'Please see the attached.

ds

');
INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com, james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

---

Open Source Used In Cisco Auto Inline Retuner 2.1.0 16423
It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

"Re: Tennessee Buy - Louis Dreyfus", "Beverly - once again thanks so much for your help on this."
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', 'Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.');
INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg,

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out.....

www.gorelieberman-2000.com/');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)). This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com', 'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

www.gorelieberman-2000.com/
1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not
     included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on
new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com);

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY''s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To:Grace, Rebecca M.
Subject:FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,',
'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com',
'c..kenne@enron.com', 'RE:
What about this too???,

-----Original Message-----
From: Kenne, Dawn C.
Sent:Wednesday, February 06, 2002 11:50 AM
To:Keiser, Kam
Subject:What about this too???

<< File: Netco Trader Matrix.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com',
'joe.parks@enron.com',
'Centana', Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which
means Batch Funding Request. Please update per my previous e-mail and forward.
Debra Perlingiere  
Enron North America Corp.  
1400 Smith Street, EB 3885  
Houston, Texas 77002  
dperlin@enron.com  
Phone 713-853-7658  
Fax 713-646-3490;  

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!')

Description:  
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001  
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:  

INSERT INTO email([from],[to],subject,body) VALUES('diana.seifert@enron.com', 'mark.taylor@enron.com', 'Guest access Chile', 'Hello Mark,

Justin Boyd told me that your can help me with questions regarding Chile.  
We got a request for guest access through MG.  
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.  
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.  
Thanks!

Best regards

Diana Seifert  
EOL PCG;  

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'mark.whitt@enron.com', '<<Concur Expense Document>> - 121001', 'The Approval status has changed on the following report:

Thanks

chris  
x31666;  

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!')
Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com','Technical Support', 'Outside the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

tp corpAlbert LaMore281-366-4962

running the reports now

-----Original Message-----
From: Storey, Geoff  
Sent:Wednesday, October 31, 2001 10:10 AM  
To:Quigley, Dutch  
Subject:RE:

give me a contact over there too  
BP

-----Original Message-----
From: Quigley, Dutch  
Sent:Wednesday, October 31, 2001 9:42 AM  
To:Storey, Geoff  
Subject:  
CoralJeff Whitnah713-767-5374  
RelaintSteve McGinn713-207-4000');  
INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3;  No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

    LOG MESSAGES:

    PARSING FILE -->> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

    ---- Load Schedule ----
    $$$ Variance found in table tblLoads.  
    Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
    TRANS_TYPE: FINAL
    LOAD_ID: PGE4
    MKT_TYPE: 2
    TRANS_DATE: 4/22/01
    SC_ID: EPMI

');  
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com', 'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');  
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com', 'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I’m seeing Glen at
11:15...talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '"

This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');

    COMMIT;

} {}
### FTS1C-1.7

```sql
SELECT rowid FROM email WHERE email MATCH 'mark -susan'
```

```sql
{6 17 25 38 42 73 74}
```

### FTS1C-1.8

```sql
SELECT rowid FROM email WHERE email MATCH '-mark susan'
```

```sql
{24}
```

### FTS1C-1.9

```sql
SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
```

```sql
{6 17 24 25 38 40 42 73 74}
```

### FTS1C-2.1

```sql
SELECT rowid, offsets(email) FROM email WHERE email MATCH 'gas reminder'
```

```sql
{20 \{2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3\}}
```

### FTS1C-2.2

```sql
SELECT rowid, offsets(email) FROM email WHERE email MATCH 'subject:gas reminder'
```

```sql
{20 \{2 0 42 3 2 1 54 8 3 1 54 8\}}
```

### FTS1C-2.3

```sql
SELECT rowid, offsets(email) FROM email WHERE email MATCH 'body:gas reminder'
```

```sql
{20 \{2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3\}}
```

### FTS1C-2.4

```sql
SELECT rowid, offsets(email) FROM email WHERE subject MATCH 'gas reminder'
```

```sql
{20 \{2 0 42 3 2 1 54 8\}}
```

### FTS1C-2.5

```sql

```

---

The document contains SQL queries and their results, demonstrating the use of offsets in email queries. The tests include matching specific words and phrases within emails and extracting the offsets of those matches.
SELECT rowid, offsets(email) FROM email
WHERE body MATCH 'gas reminder'
}
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts1c-3.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
}
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts1c-3.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH ""child product"
}
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts1c-4.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}
do_test fts1c-4.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
}
} {{<b>...</b> place.? What do you think about going here <b>Christmas</b>eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}
do_test fts1c-4.3 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
} {{EOL-Accenture <b>Deal</b> <b>Sheet</b> <b>...</b> intent
    Review Enron asset base for <b>potential</b> <b>reuse</b>/ licensing
    Contract negotiations <b>...</b>}}
do_test fts1c-4.4 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
} {{EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
    Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
    Contract negotiations }}
do_test fts1c-4.5 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
}
} {{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the }}
do_test fts1c-4.6 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
}
} {{<b>chris</b>.germany@enron.com <b>...</b> Sounds good to me. I bet this <b>is</b> next to the Warick? Hotel. <b>...</b> place.? What do you think about going <b>here</b> Christmas eve?? They have an 11:00 a.m. <b>...</b> }}
do_test fts1c-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
}
} {{Erin:
<b>Pursuant</b> <b>to</b> your request, attached are the Schedule to <b>...</b> }}
do_test fts1c-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
} {{pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b> schedules awarded.
    Variances detected.
    Variances detected in <b>Load</b> schedule.

    LOG MESSAGES:

    PARSING <b>...</b> }}

# Combinations of AND and OR operators:
#
do_test fts1c-5.1 {
execsql {
    SELECT snippet(email) FROM email
}
WHERE email MATCH 'questar enron OR com'
}
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b>/Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}

do_test fts1c-5.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
} }
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:

31 Keystone Receipts
15 <b>Questar</b>/Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

Copyright 1997-2006 Adobe Systems Incorporated. All Rights Reserved.

Found in path(s):
* %%Copyright
No license file was found, but licenses were detected in source scan.

%%Copyright: Copyright(C)2000-2006 Adobe Systems, Inc. All Rights Reserved.
%%Copyright: Copyright(C)1997-2007 Adobe Systems, Inc. All Rights Reserved.
%%BeginResource: procset Adobe_CoolType_Core 2.31 0

Found in path(s):
No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

Found in path(s):
application code is free to use these routines as well, if desired.

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

MMFauxFont.prc

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

<html>
<body bgcolor="white">
<p>FOR IMMEDIATE RELEASE:</p>
<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>
<h3 align="center">Ensures independent technical direction for world's most deployed SQL database engine</h3>
<p>Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members. <p>

SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs. <p>

The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers. <p>

Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of
the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.

"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla. "As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."

"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development," said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQLite Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, http://www.sqlite.org/.

About SQLite

SQLite is a software library that implements a self-contained, embeddable, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.

SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.

CONTACT INFORMATION:
SQLite Consortium
Dr. D. Richard Hipp
6200 Maple Cove Lane
Charlotte, NC 28269
Email: drh@sqlite.org
http://www.sqlite.org/
Tel: +1.704.948.4565
<p><b>About Mozilla</b></p>

Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere. Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation. For more information, visit www.mozilla.com.

<p>CONTACT INFORMATION:<br>
Mozilla Corporation<br>Jessica Waight<br>Tel: +1.415.345.4754<br>Email: jwaight@outcastpr.com</p>

<p><b>About Symbian Limited</b></p>

Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.

Symbian licenses Symbian OS to the world's leading handset manufacturers and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.

Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.

<p>CONTACT INFORMATION:<br>
Symbian Global Press Office<br>Karen Hamblen<br>+44 207 154 1707<br>press@symbian.com</p>
The `psow` query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

SQLite core and like the SQLite core are in the public domain. The `<b>` `<a href="th3.html">TH3</a>` test harness is a set of proprietary tests, written in

```
/* ** Return a pointer to the "temporary page" buffer held internally ** by the pager. This is a buffer that is big enough to hold the ** entire content of a database page. This buffer is used internally ** during rollback and will be overwritten whenever a rollback ** occurs. But other modules are free to use it too, as long as ** no rollbacks are happening. */
```

application is free to use the same `<a href="/c3ref/sqlite3.html">database connection</a>` or the

```
/* ** The "printf" code that follows dates from the 1980's. It is in ** the public domain. The original comments are included here for ** completeness. They are very out-of-date but might be useful as ** an historical reference. Most of the "enhancements" have been backed ** out so that the functionality is now the same as standard printf(). ** */
```
/*
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
*/

Found in path(s):
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other proprietary or non-standard VFSes.

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<html>
<head>
<title>SQLite Consortium Agreement</title>
</head>
<body bgcolor="white">
<h1 align="center">
SQLite Consortium Agreement
</h1>

<p>This SQLite Consortium Agreement ("Agreement") is made and
entered into as of the _____ day of ______________, 2007 ("Effective Date")
by and between _______ (the "Company"), and
Hipp, Wyrick & Company, Inc., a Georgia Corporation with
headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").</p>

<p>WHEREAS, Hwaci is the developer of a serverless, embeddable, public
domain SQL database engine available at
<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
("SQLite"); and</p>

<p>WHEREAS, Company wishes to support the independent development of
the SQLite database engine to insure the continuing reliability,
vitality, and independence of SQLite, and in connection therewith,
Company wishes to provide funds for ongoing research, development,
and maintenance of the SQLite code base, operation of the SQLite
website, protection and maintenance of the SQLite
trademark, as well as for promotion of SQLite at conferences and
trade shows; and</p>
WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1.0 Definitions

1.1 SQLite Developers
The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.

1.2 SQLite Architect
The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.

1.3 Consortium Member
A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.

2.0 Agreement

2.1 Responsibilities And Obligations Of SQLite Developers

2.1.1 General Support
The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.

2.1.2 Debugging Support
The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom Development for Company is limited to 330 hours per year.
2.1.3 Custom Development

The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.

2.1.4 Custom Builds

The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.

2.1.5 Legacy Support

The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.

2.1.6 Custom Testing

The SQLite Developers shall at Company's request set up and run acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.

2.1.7 Priority Bug Fixes

The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.

2.1.8 Code Quality

The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.

2.1.9 Backwards Compatibility

The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards
compatibility with prior releases.
</p>

<h4>2.1.10 Test Coverage</h4>
<p>The SQLite Developers shall maintain the SQLite test suite such
that no less than 95% source code coverage is provided.
</p>

<h4>2.1.11 Website</h4>
<p>The SQLite Developers shall maintain the SQLite website at
<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
in good working order and all SQLite source code shall
be made freely available at such website.
</p>

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
<p>The SQLite Architect shall, at the request of Company,
provide Company with private notification and briefings
of any new bugs or new features in SQLite that might
effect Company's products.
</p>

<h4>2.2.2 Direction</h4>
<p>The SQLite Architect shall coordinate the activities of SQLite
Developers and shall publish from time to time a roadmap of
proposed future changes and enhancements to SQLite.
</p>

<h4>2.2.3 Oversight</h4>
<p>The SQLite Architect shall personally review all changes to
the SQLite Source Code and take responsibility for the quality
and correctness of those changes.
</p>

<h4>2.2.4 Continuity</h4>
<p>The initial SQLite Architect shall be the original developer
of SQLite, D. Richard Hipp. The role of SQLite Architect shall
not be assigned to another during the term of this Agreement except
due to the disability of Dr. Hipp and with approval of Company.
</p>

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
<p>Hwaci shall act as the employer of the SQLite Developers and
SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.

<h4>2.3.2 Responsible Party</h4>
All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.

<h4>2.3.3 Multiple Developers</h4>
Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement. So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.

<h4>2.3.4 Mentorship</h4>
Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a pool of talent able to support SQLite in the future.

<h4>2.3.5 Audits</h4>
Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.

<h4>2.3.6 Disaster Planning</h4>
Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.

<h4>2.3.7 Trademark</h4>
Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the http://www.sqlite.org/ website.

<h4>2.3.8 No Take-overs or Buy-outs</h4>
Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.

<h4>2.3.9 New Consortium Members</h4>
New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.

<h4>2.3.10 Adequate Staff</h4>
Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

<h4>2.3.11 Use Of Funds</h4>
Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

<h4>2.4.2 Copyright Disclaimer</h4>
Company acknowledges that SQLite source code and documentation published on the http://www.sqlite.org/ website is in the public domain and that nothing in this agreement shall change that fact.
3.0 Fees

In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US $75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.

4.0 Confidentiality

4.1 Definition of Confidential Information

"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing, orally or by drawings or inspection of parts or equipment.

4.2 Non-Use and Non-Disclosure.

Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

4.2.1 Disclosure Required by Law

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or
information request from an executive or administrative agency
or other governmental authority, Hwaci shall, unless prohibited
by the terms of a subpoena, order, or demand, promptly notify
Company of the existence, terms and circumstances surrounding
such demand or request, shall consult with Company on the
advisability of taking legally available steps to resist
or narrow such demand or request, and, if disclosure of
such Confidential Information is required, shall exercise
its reasonable best efforts to narrow the scope of disclosure
and obtain an order or other reliable assurance that
confidential treatment will be accorded to such
Confidential Information. To the extent that Hwaci
is prohibited from notifying Company of a subpoena,
order or demand, by the terms of same, Hwaci shall exercise
its reasonable efforts to narrow the scope of disclosure.</p>

<h3>4.3 Return of Materials.</h3>

Upon the termination of this Agreement, or upon Company's
erlier request, Hwaci shall deliver to Company all of
Company's property or Confidential Information that Hwaci
may have in Hwaci's possession or control.

<h2>5.0 Intellectual Property</h2>

<h3>5.1 No Assignment</h3>

Company acknowledges that all copyrightable material, notes,
records, drawings, designs, inventions, improvements, developments,
discoveries and trade secrets made, generated, conceived, or
reduced to practice by Hwaci related to SQLite
will remain the property of Hwaci. Nothing in this Agreement
will be construed to transfer any intellectual property right
of Hwaci to Company.

<h3>5.2 Availability and Public Domain Dedication</h3>

The SQLite Developers and Hwaci shall,
subject to their discretion as to the quality
and suitability of the SQLite source code and documentation
for public release, make
the SQLite source code and documentation
publicly available as downloadable files
and make a public statement ceding all intellectual
property rights, including but not limited to copyright
and patent rights, in the SQLite source code and documentation
to the public domain.
To the extent that the SQLite Developers and Hwaci
elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.</p>

<h3>5.3 Trademark</h3>

<p>Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.</p>

<h2>6.0 Representations And Warranties</h2>

<h3>6.1 Intellectual Property Clearances</h3>

<p>Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.</p>

<h3>6.2 Disclaimer</h3>

<p>THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.</p>

<h2>7.0 Term And Termination</h2>

<h3>7.1 Term</h3>
This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.

7.2 Termination.

If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.

7.3 Survival.

Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.

8. Miscellaneous

8.1 Nonassignment/Binding Agreement.

The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.

8.2 Notices.

Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set
forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.</p>

<h3>8.3 Waiver.</h3>

<p>Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.</p>

<h3>8.4 Severability.</h3>

<p>If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.</p>

<h3>8.5 Integration.</h3>

<p>This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.</p>
<h3>8.6 Counterparts.</h3>

This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.

<h3>8.7 Governing Law.</h3>

This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.

<h3>8.8 Independent Contractors.</h3>

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

<h2>9.0 Signatures</h2>

The parties have executed this Agreement below to indicate their acceptance of its terms.

<table width="100%" border="0">
<tr><td valign="top"
HWACI<br>By:<hr><p>&nbsp;</p>Print Name:<hr><p>&nbsp;</p>Title:<hr><p>&nbsp;</p></td><td width="10%"></td><td valign="top"
COMPANY<br>By:<hr><p>&nbsp;</p>Print Name:<hr><p>&nbsp;</p>Title:<hr>
Found in path(s):

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

/*
** 2004 May 22
**
** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
**    May you do good and not evil.
**    May you find forgiveness for yourself and forgive others.
**    May you share freely, never taking more than you give.
**
**********************************************************************************
**
** This file contains the VFS implementation for unix-like operating systems
** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
**
** There are actually several different VFS implementations in this file.
** The differences are in the way that file locking is done. The default
** implementation uses Posix Advisory Locks. Alternative implementations
** use flock(), dot-files, various proprietary locking schemas, or simply
** skip locking all together.
**
** This source file is organized into divisions where the logic for various
** subfunctions is contained within the appropriate division. PLEASE
** KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed
** in the correct division and should be clearly labeled.
**
** The layout of divisions is as follows:
**
**  * General-purpose declarations and utility functions.
**  * Unique file ID logic used by VxWorks.
**  * Various locking primitive implementations (all except proxy locking):
**    + for Posix Advisory Locks
**    + for no-op locks
**    + for dot-file locks
**    + for flock() locking
**    + for named semaphore locks (VxWorks only)
**    + for AFP filesystem locks (MacOSX only)
**  * sqlite3_file methods not associated with locking.
**  * Definitions of sqlite3_io_methods objects for all locking
** methods plus "finder" functions for each locking method.
** * sqlite3_vfs method implementations.
** * Locking primitives for the proxy uber-locking-method. (MacOSX only)
** * Definitions of sqlite3_vfs objects for all locking methods
** plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/

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

/*
* This code implements the MD5 message-digest algorithm.
* The algorithm is due to Ron Rivest. This code was
* written by Colin Plumb in 1993, no copyright is claimed.
* This code is in the public domain; do with it what you wish.
* *
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
* *
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

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2.31 0
1.23 0
1.0 0

Found in path(s):
* %%%Version
No license file was found, but licenses were detected in source scan.

<p><b>Public domain</b></p>
The source code for SQLite is in the public domain. No claim of copyright

Found in path(s):
The author disclaims copyright to this source code. In place of
a legal notice, here is a blessing:

May you do good and not evil.
May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

This file implements regression tests for SQLite library. The
focus of this file is testing built-in functions.

set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Create a table to work with.

do_test func-0.0 {
  execsql {CREATE TABLE tbl1(t1 text)}
  foreach word [this program is free software] {
    execsql "INSERT INTO tbl1 VALUES('$word')"
  }
  execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} {free is program software this}
do_test func-0.1 {
  execsql {
    CREATE TABLE t2(a);
    INSERT INTO t2 VALUES(1);
  }
}
INSERT INTO t2 VALUES(NULL);
INSERT INTO t2 VALUES(345);
INSERT INTO t2 VALUES(NULL);
INSERT INTO t2 VALUES(67890);
SELECT * FROM t2;

# Check out the length() function
#
do_test func-1.0 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
  set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
  set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
  execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
             ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
  execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 3 -1 5}

# Check out the substr() function
#
do_test func-2.0 {
  execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {fr is pr so th}
do_test func-2.1 {
  execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
} {r s r o h}
do_test func-2.2 {
  execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} {ee {} ogr ftw is}
do_test func-2.3 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} {es mes}
do_test func-2.4 {
  execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {es mes}
do_test func-2.5 {
  execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
}
do_test func-2.6 {
    execsql {SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1}
} {ee is am re is}

do_test func-2.7 {
    execsql {SELECT substr(t1,-4,2) FROM tbl1 ORDER BY t1}
} {fr {} gr wa th}

do_test func-2.8 {
    execsql (SELECT t1 FROM tbl1 ORDER BY substr(t1,2,20))
} {this software free program is}

do_test func-2.9 {
    execsql {SELECT substr(a,1,1) FROM t2}
} {1 {} 3 {} 6}

do_test func-2.10 {
    execsql {SELECT substr(a,2,2) FROM t2}
} {{} {} 45 {} 78}

# Only do the following tests if TCL has UTF-8 capabilities
#
if "\u1234"!="u1234" {?

# Put some UTF-8 characters in the database
#
do_test func-3.0 {
    execsql {DELETE FROM tbl1}
    foreach word "contains UTF-8 characters hi\u1234ho" {
        execsql "INSERT INTO tbl1 VALUES('$word')"
    }
    execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"

do_test func-3.1 {
    execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}

do_test func-3.2 {
    execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}

do_test func-3.3 {
    execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"

do_test func-3.4 {
    execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"

do_test func-3.5 {
    execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"

do_test func-3.6 {
    execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "F- ar nt \u1234h"
do_test func-3.7 {
  execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.8 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.9 {
  execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} "F- er in \u1234h"
do_test func-3.10 {
  execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} "TF- ter ain \u1234h"
do_test func-3.99 {
  execsql {DELETE FROM tbl1}
  foreach word {this program is free software} {
    execsql "INSERT INTO tbl1 VALUES('$word')"
  }
  execsql {SELECT t1 FROM tbl1}
} {this program is free software}
}

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
  do_test func-4.1 {
    execsql {
      CREATE TABLE t1(a,b,c);
      INSERT INTO t1 VALUES(1,2,3);
      INSERT INTO t1 VALUES(2,12345678901234,-1234567890);
      INSERT INTO t1 VALUES(3,-2,-5);
      
    }
    catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
ifcapable floatingpoint {
  do_test func-4.1 {
    execsql {
      CREATE TABLE t1(a,b,c);
      INSERT INTO t1 VALUES(1,2,3);
      INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
      INSERT INTO t1 VALUES(3,-2,-5);
      
    }
    catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
}
do_test func-4.2 {
  catchsql {SELECT abs() FROM t1}
} {1 {wrong number of arguments to function abs()}}
ifcapable floatingpoint {
  do_test func-4.3 {
    catchsql {SELECT abs(b) FROM t1 ORDER BY a}
    } {0 [2 1.2345678901234 2]}
  do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
    } {0 [3 12345.6789 5]}
}
ifcapable !floatingpoint {
  if [[working_64bit_int]] {
    do_test func-4.3 {
      catchsql {SELECT abs(b) FROM t1 ORDER BY a}
      } {0 [2 12345678901234 2]}
    }
  do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
    } {0 [3 1234567890 5]}
  }
  do_test func-4.4.1 {
    execsql {SELECT abs(a) FROM t2}
    } {1 {} 345 {} 67890}
  do_test func-4.4.2 {
    execsql {SELECT abs(t1) FROM tbl1}
    } {0.0 0.0 0.0 0.0 0.0}
}
ifcapable floatingpoint {
  do_test func-4.5 {
    catchsql {SELECT round(a,b,c) FROM t1}
    } {1 {wrong number of arguments to function round()}}
  do_test func-4.6 {
    catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
    } {0 [-2.0 1.23 2.0]}
  do_test func-4.7 {
    catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
    } {0 [2.0 1.0 -2.0]}
  do_test func-4.8 {
    catchsql {SELECT round(c) FROM t1 ORDER BY a}
    } {0 [3.0 -12346.0 -5.0]}
  do_test func-4.9 {
    catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
    } {0 [3.0 -12345.68 -5.0]}
  do_test func-4.10 {
    catchsql {SELECT 'x' || round(c,a) || 'y' FROM t1 ORDER BY a}
    } {0 [x3.0y x-12345.68y x-5.0y]}
  do_test func-4.11 {
    catchsql {SELECT round() FROM t1 ORDER BY a}
    } {1 {wrong number of arguments to function round()}}
}
do_test func-4.12 {
  execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
} {1.0 nil 345.0 nil 67890.0}
do_test func-4.13 {
  execsql {SELECT round(t1,2) FROM tbl1}
} {0.0 0.0 0.0 0.0 0.0}
do_test func-4.14 {
  execsql {SELECT typeof(round(5.1,1));}
} {real}
do_test func-4.15 {
  execsql {SELECT typeof(round(5.1));}
} {real}
do_test func-4.16 {
  catchsql {SELECT round(b,2.0) FROM t1 ORDER BY b}
} {0 {-2.0 1.23 2.0}}
# Verify some values reported on the mailing list.
# Some of these fail on MSVC builds with 64-bit
# long doubles, but not on GCC builds with 80-bit
# long doubles.
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.5 + $i]
    set x2 [expr 40223.0 + $i]
    do_test func-4.17.$i {
        execsql {SELECT round($x1);}
    } $x2
}
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.05 + $i]
    set x2 [expr 40222.10 + $i]
    do_test func-4.18.$i {
        execsql {SELECT round($x1,1);}
    } $x2
}
do_test func-4.20 {
  execsql {SELECT round(40223.4999999999999999);}
} {40223.0}
do_test func-4.21 {
  execsql {SELECT round(40224.4999999999999999);}
} {40224.0}
do_test func-4.22 {
  execsql {SELECT round(40225.4999999999999999);}
} {40225.0}
for {set i 1} {$i<10} {incr i} {
    do_test func-4.23.$i {
        execsql {SELECT round(40223.4999999999999999,$i);}
    } {40223.5}
    do_test func-4.24.$i {
        execsql {SELECT round(40224.4999999999999999,$i);}
    } {40224.5}
    do_test func-4.25.$i {
        execsql {SELECT round(40225.4999999999999999,$i);}
    } {40225.5}
}
do_test func-4.25.$i {
    execsql {SELECT round(40225.4999999999,$i);}
} {40225.5}
}
for {set i 10} {$i<32} {incr i} {
    do_test func-4.26.$i {
        execsql {SELECT round(40223.4999999999,$i);}
    } {40223.4999999999}
    do_test func-4.27.$i {
        execsql {SELECT round(40224.4999999999,$i);}
    } {40224.4999999999}
    do_test func-4.28.$i {
        execsql {SELECT round(40225.4999999999,$i);}
    } {40225.4999999999}
    do_test func-4.29 {
        execsql {SELECT round(1234567890.5);}
    } {1234567891.0}
    do_test func-4.30 {
        execsql {SELECT round(12345678901.5);}
    } {12345678902.0}
    do_test func-4.31 {
        execsql {SELECT round(123456789012.5);}
    } {1234567890124.0}
    do_test func-4.32 {
        execsql {SELECT round(1234567890123.5);}
    } {12345678901234.0}
    do_test func-4.33 {
        execsql {SELECT round(12345678901234.5);}
    } {123456789012345.0}
    do_test func-4.34 {
        execsql {SELECT round(123456789012345.2);}
    } {123456789012345.45}
    do_test func-4.35 {
        execsql {SELECT round(99999999999994.5);}
    } {99999999999995.0}
    do_test func-4.36 {
        execsql {SELECT round(99999999999994.5);}
    } {99999999999995.0}
    do_test func-4.37 {
        execsql {SELECT round(99999999999995.1);}
    } {99999999999996.6}
    do_test func-4.38 {
        execsql {SELECT round(99999999999995.56);}
    } {99999999999995.56}
# Test the upper() and lower() functions
#
do_test func-5.1 {
  execsql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
  execsql {SELECT lower(upper(t1)) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
  execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
ifcapable !icu {
  do_test func-5.4 {
    catchsql {SELECT upper(a,5) FROM t2}
  } {1 {wrong number of arguments to function upper()}}
}
do_test func-5.5 {
  catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}

# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
  execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
  execsql {SELECT coalesce(upper(a),'nil') FROM t2}
} {1 nil 345 nil 67890}
do_test func-6.3 {
  execsql {SELECT coalesce(nullif(1,1),'nil')}  
  } {nil}
do_test func-6.4 {
  execsql {SELECT coalesce(nullif(1,2),'nil')}  
  } {1}
do_test func-6.5 {
  execsql {SELECT coalesce(nullif(1,NULL),'nil')}  
  } {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
  execsql {SELECT last_insert_rowid()}  
  } [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {

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do_test func-8.1 {
    ifcapable explain {
        execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
        SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.33 1 67890 5}

ifcapable !floatingpoint {
    do_test func-8.1 {
        ifcapable explain {
            execsql {EXPLAIN SELECT sum(a) FROM t2;}
        }
        execsql {
            SELECT sum(a), count(a), avg(a), min(a), max(a), count(*) FROM t2;
        }
    } {68236 3 22745.0 1 67890 5}
    do_test func-8.2 {
        execsql {
            SELECT max('z++[il]abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOP') FROM t2;
        }
    } {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
}

ifcapable tempdb {
    do_test func-8.3 {
        execsql {
            CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
            SELECT min('z++[il]abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP') FROM t3;
        }
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
} else {
    do_test func-8.3 {
        execsql {
            CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
            SELECT min('z++[il]abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP') FROM t3;
        }
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
    do_test func-8.4 {
        execsql {
            SELECT max('z++[il]abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP') FROM t3;
        }
    } {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
}

ifcapable compound {
    do_test func-8.5 {
        execsql {

SELECT sum(x) FROM (SELECT '9223372036' || '854775807' AS x
UNION ALL SELECT -9223372036854775807)

} {0}
do_test func-8.6 {
  execsql {
    SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775807' AS x
UNION ALL SELECT -9223372036854775807)
  }
} {integer}
do_test func-8.7 {
  execsql {
    SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775808' AS x
UNION ALL SELECT -9223372036854775807)
  }
} {real}
ifcapable floatingpoint {
do_test func-8.8 {
  execsql {
    SELECT sum(x)>0.0 FROM (SELECT '9223372036' || '854775808' AS x
UNION ALL SELECT -9223372036854775807)
  }
} {1}
}
ifcapable !floatingpoint {
do_test func-8.8 {
  execsql {
    SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x
UNION ALL SELECT -9223372036854775807)
  }
} {1}
}
#
# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
  execsql {
    SELECT random() is not null;
  }
} {1}
do_test func-9.2 {
  execsql {
    SELECT typeof(random());
  }
} {integer}
do_test func-9.3 {
  execsql {

SELECT randomblob(32) is not null;
}
} {1}
do_test func-9.4 {
execsql {
    SELECT typeof(randomblob(32));
}
} {blob}
do_test func-9.5 {
execsql {
    SELECT length(randomblob(32)), length(randomblob(-5)), length(randomblob(2000))
}
} {32 1 2000}

# The "hex()" function was added in order to be able to render blobs
# generated by randomblob(). So this seems like a good place to test
# hex().
#
if capable bloblit {
do_test func-9.10 {
    execsql {SELECT hex(x'00112233445566778899aAbBcCdDeEfF'))
} {00112233445566778899AABBCCDDEEFF}
}
} set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {6100620063006400310032006700}
do_test func-9.12-utf16le {
    execsql {SELECT hex(replace('abcdefg','",12'))}
} {6100620063006400650066006700}
do_test func-9.13-utf16le {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
} {61006100610061061006100620063006400650066006700}
} elseif {$encoding=="UTF-8"} {
do_test func-9.11-utf8 {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {61626364313267}
do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','",12'))}
} {6162636456667}
do_test func-9.13-utf8 {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
} {616161616162636456667}
}

# Use the "sqlite_register_test_function" TCL command which is part of
# the text fixture in order to verify correct operation of some of
# the user-defined SQL function APIs that are not used by the built-in
# functions.
#
set ::DB [sqlite3_connection_pointer db]
sqlite_register_test_function $::DB testfunc
do_test func-10.1 {
catchsql {
    SELECT testfunc(NULL,NULL);
}
} {1 \{first argument should be one of: int int64 string double null value\}}
do_test func-10.2 {
execsql {
    SELECT testfunc(
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'int', 1234
    );
}
} {1234}
do_test func-10.3 {
execsql {
    SELECT testfunc(
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'string', NULL
    );
}
} {}

ifcapable floatingpoint {
do_test func-10.4 {
execsql {
    SELECT testfunc(
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'double', 1.234
    );
}
} {1.234}
do_test func-10.5 {
execsql {
    SELECT testfunc(
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'int', 1234,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'string', NULL,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'double', 1.234,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'int', 1234,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'string', NULL,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'double', 1.234
);
}
} {1.234}
}

# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
execsql {
    SELECT sqlite_version(*);
}
} [sqlite3 -version]

# Test that destructors passed to sqlite3 by calls to sqlite3_result_text()
# etc. are called. These tests use two special user-defined functions
# (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the
# text form of that argument. A destructor is associated with the return
# value. Function test_destructor_count() returns the number of outstanding
# destructor calls for values returned by test_destructor().
#
if {[db eval {PRAGMA encoding}]=="UTF-8"} {
    do_test func-12.1-utf8 {
        execsql {
            SELECT test_destructor('hello world'), test_destructor_count();
        }
    } {{hello world} 1}
} else {
    ifcapable {utf16} {
        do_test func-12.1-utf16 {
            execsql {
                SELECT test_destructor16('hello world'), test_destructor_count();
            }
        } {{hello world} 1}
    }
}
do_test func-12.2 {
execsql {
    SELECT test_destructor_count();
}
} {0}
do_test func-12.3 {
execsql {
    SELECT test_destructor_count();
}
} {0}
SELECT testDestructor('hello') || ' world'
}
} {hello world}
do_test func-12.4 {
  execsql {
    SELECT testDestructor_count();
  }
} {0}
do_test func-12.5 {
  execsql {
    CREATE TABLE t4(x);
    INSERT INTO t4 VALUES(testDestructor('hello'));
    INSERT INTO t4 VALUES(testDestructor('world'));
    SELECT min(testDestructor(x)), max(testDestructor(x)) FROM t4;
  }
} {hello world}
do_test func-12.6 {
  execsql {
    SELECT testDestructor_count();
  }
} {0}
do_test func-12.7 {
  execsql {
    DROP TABLE t4;
  }
} {}

# Test that the auxdata API for scalar functions works. This test uses
# a special user-defined function only available in test builds,
# test_auxdata(). Function test_auxdata() takes any number of arguments.
do_test func-13.1 {
  execsql {
    SELECT test_auxdata('hello world');
  }
} {0}
do_test func-13.2 {
  execsql {
    CREATE TABLE t4(a, b);
    INSERT INTO t4 VALUES('abc', 'def');
    INSERT INTO t4 VALUES('ghi', 'jkl');
  }
} {}
do_test func-13.3 {
  execsql {
    SELECT test_auxdata('hello world') FROM t4;
  }
}
do_test func-13.4 {
    execsql {
        SELECT test_auxdata('hello world', 123) FROM t4;
    }
} {{0 0} {1 1}}
do_test func-13.5 {
    execsql {
        SELECT test_auxdata('hello world', a) FROM t4;
    }
} {{0 0} {1 0}}
do_test func-13.6 {
    execsql {
        SELECT test_auxdata('hello''world', a) FROM t4;
    }
} {{0 0} {1 0}}

# Test that auxiliary data is preserved between calls for SQL variables.
do_test func-13.7 {
    set DB [sqlite3_connection_pointer db]
    set sql "SELECT test_auxdata( ?, a ) FROM t4;"
    set STMT [sqlite3_prepare $DB $sql -1 TAIL]
    sqlite3_bind_text $STMT 1 hello\000 -1
    set res [list]
    while { "SQLITE_ROW"==[sqlite3_step $STMT] } {
        lappend res [sqlite3_column_text $STMT 0]
    }
    lappend res [sqlite3_finalize $STMT]
} {{0 0} {1 0} SQLITE_OK}

# Make sure that a function with a very long name is rejected
do_test func-14.1 {
    catch {
        db function [string repeat X 254] {return "hello"}
    }
} {0}
do_test func-14.2 {
    catch {
        db function [string repeat X 256] {return "hello"}
    }
} {1}
do_test func-15.1 {
    catchsql {select test_error(NULL)}
} {{1 1}}
do_test func-15.2 {
    catchsql {select test_error('this is the error message')} 
} {{1 0} {this is the error message}}
do_test func-15.3 {
catchsql {select test_error('this is the error message',12)}
} {1 {this is the error message}}
do_test func-15.4 {
db errorcode
} {12}

# Test the quote function for BLOB and NULL values.
do_test func-16.1 {
execsql {
    CREATE TABLE tbl2(a, b);
}
set STMT [sqlite3_prepare $::DB "INSERT INTO tbl2 VALUES(?, ?)" -1 TAIL]
sqlite3_bind_blob $::STMT 1 abc 3
sqlite3_step $::STMT
sqlite3_finalize $::STMT
execsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %. Ticket #1354
#
do_test func-17.1 {
proc testfunc1 args {error "Error %d with %s percents %p"}
db function testfunc1 ::testfunc1
catchsql {
    SELECT testfunc1(1,2,3);
}
} {1 {Error %d with %s percents %p}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
execsql {
    CREATE TABLE t5(x);
    INSERT INTO t5 VALUES(1);
    INSERT INTO t5 VALUES(-99);
    INSERT INTO t5 VALUES(10000);
    SELECT sum(x) FROM t5;
}
} {9902}
ifcapable floatingpoint {
do_test func-18.2 {
execsql {
    INSERT INTO t5 VALUES(0.0);
    SELECT sum(x) FROM t5;
}
}
# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
# The TOTAL of nothing is 0.0.
#
do_test func-18.3 {
    execsql {
        DELETE FROM t5;
        SELECT sum(x), total(x) FROM t5;
    }
} {{} 0.0}
do_test func-18.4 {
    execsql {
        INSERT INTO t5 VALUES(NULL);
        SELECT sum(x), total(x) FROM t5
    }
} {{} 0.0}
do_test func-18.5 {
    execsql {
        INSERT INTO t5 VALUES(NULL);
        SELECT sum(x), total(x) FROM t5
    }
} {{} 0.0}
do_test func-18.6 {
    execsql {
        INSERT INTO t5 VALUES(123);
        SELECT sum(x), total(x) FROM t5
    }
} {123 123.0}

# Ticket #1664, #1669, #1670, #1674: An integer overflow on SUM causes
# an error. The non-standard TOTAL() function continues to give a helpful
# result.
#
do_test func-18.10 {
    execsql {
        CREATE TABLE t6(x INTEGER);
        INSERT INTO t6 VALUES(1);
        INSERT INTO t6 VALUES(1<<62);
        SELECT sum(x) - ((1<<62)+1) from t6;
    }
} 0
do_test func-18.11 {
    execsql {
        SELECT typeof(sum(x)) FROM t6
    }
}
if capable floatingpoint {
    do_test func-18.12 {
        catchsql {
            INSERT INTO t6 VALUES(1<<62);
            SELECT sum(x) - ((1<<62)*2.0+1) from t6;
        }
    } {1 {integer overflow}}
    do_test func-18.13 {
        execsql {
            SELECT total(x) - ((1<<62)*2.0+1) FROM t6
        }
    } 0.0
}
if capable !floatingpoint {
    do_test func-18.12 {
        catchsql {
            INSERT INTO t6 VALUES(1<<62);
            SELECT sum(x) - ((1<<62)*2+1) from t6;
        }
    } {1 {integer overflow}}
    do_test func-18.13 {
        execsql {
            SELECT total(x) - ((1<<62)*2+1) FROM t6
        }
    } 0.0
}
if {[working_64bit_int]} {
    do_test func-18.14 {
        execsql {
            SELECT sum(-9223372036854775805);
        }
    } -9223372036854775805
}
ifcapable compound&&subquery {
    do_test func-18.15 {
        catchsql {
            SELECT sum(x) FROM
            (SELECT 9223372036854775807 AS x UNION ALL
            SELECT 10 AS x);
        }
    } {1 {integer overflow}}
    if {[working_64bit_int]} {
        do_test func-18.16 {
            catchsql {
                SELECT sum(x) FROM
                (SELECT 9223372036854775807 AS x UNION ALL

SELECT -10 AS x;
}
}{0 9223372036854775797}
do_test func-18.17 {
catchsql {
    SELECT sum(x) FROM
    (SELECT -9223372036854775807 AS x UNION ALL
    SELECT 10 AS x);
}
}{0 -9223372036854775797}
do_test func-18.18 {
catchsql {
    SELECT sum(x) FROM
    (SELECT -9223372036854775807 AS x UNION ALL
    SELECT -10 AS x);
}
}{1 {integer overflow}}
do_test func-18.19 {
catchsql {
    SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
}
}{0 -1}
do_test func-18.20 {
catchsql {
    SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
}
}{0 1}
do_test func-18.21 {
catchsql {
    SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
}
}{0 -1}
do_test func-18.22 {
catchsql {
    SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
}
}{0 1}

#: if capable compound&&subquery

# Integer overflow on abs()
#
if {[working_64bit_int]} {
do_test func-18.31 {
catchsql {
    SELECT abs(-92233720368547757807);
}
do_test func-18.32 {
catchsql {
    SELECT abs(-9223372036854775807-1);
}
} {1 {integer overflow}}

# The MATCH function exists but is only a stub and always throws an error.
#
do_test func-19.1 {
execsql {
    SELECT match(a,b) FROM t1 WHERE 0;
}
} {}
do_test func-19.2 {
catchsql {
    SELECT 'abc' MATCH 'xyz';
}
} {1 {unable to use function MATCH in the requested context}}
do_test func-19.3 {
catchsql {
    SELECT 'abc' NOT MATCH 'xyz';
}
} {1 {unable to use function MATCH in the requested context}}
do_test func-19.4 {
catchsql {
    SELECT match(1,2,3);
}
} {1 {wrong number of arguments to function match()}}

# Soundex tests.
#
if ![catch {db eval {SELECT soundex('hello')}}] {
    set i 0
    foreach {name sdx} {
        euler      E460
        euler      E460
        Euler      E460
        euler      E460
        gauss      G200
        ghosh      G200
        hilbert    H416
        Heilbronn  H416
        knuth      K530
        kant       K530
        Lloyd      L300
        LADD       L300
    }
}
# Tests of the REPLACE function.

do_test func-21.1 {
  catchsql {
    SELECT replace(1,2);
  }
} {1 {wrong number of arguments to function replace()}}
do_test func-21.2 {
  catchsql {
    SELECT replace(1,2,3,4);
  }
} {1 {wrong number of arguments to function replace()}}
do_test func-21.3 {
  execsql {
    SELECT typeof(replace("This is the main test string", NULL, "ALT"));
  }
} {null}
do_test func-21.4 {
  execsql {
    SELECT typeof(replace(NULL, "main", "ALT"));
  }
} {null}
do_test func-21.5 {
  execsql {
    SELECT typeof(replace("This is the main test string", "main", NULL));
  }
} {null}
do_test func-21.6 {
  execsql {
    SELECT replace("This is the main test string", "main", "ALT");
  }
} {{This is the ALT test string}}
do_test func-21.7 {
  execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
  }
}
ifcapable tclvar {
  do_test func-21.9 {
    # Attempt to exploit a buffer-overflow that at one time existed
    # in the REPLACE function.
    set ::str "$::str [string repeat A 29998]CC[string repeat A 35537]"
    set ::rep [string repeat B 65536]
    execsql {
      SELECT LENGTH(REPLACE($::str, 'C', $::rep));
    }
    [expr 29998 + 2*65536 + 35537]
  }

  do_test func-22.1 {
    catchsql {SELECT trim(1,2,3)}
    } {1 {wrong number of arguments to function trim()}}
  do_test func-22.2 {
    catchsql {SELECT ltrim(1,2,3)}
    } {1 {wrong number of arguments to function ltrim()}}
  do_test func-22.3 {
    catchsql {SELECT rtrim(1,2,3)}
    } {1 {wrong number of arguments to function rtrim()}}
  do_test func-22.4 {
    execsql {SELECT trim('  hi  ');} 
    } {hi}
  do_test func-22.5 {
    execsql {SELECT ltrim('  hi  ');} 
    } {{hi}}
  do_test func-22.6 {
    execsql {SELECT rtrim('  hi  ');} 
    } {{  hi}}
  do_test func-22.7 {
    execsql {SELECT trim('  hi  ','xyz')} 
    } {{  hi }}
  do_test func-22.8 {
    execsql {SELECT ltrim('  hi  ','xyz')} 
    } {{  hi }}
  do_test func-22.9 {
    execsql {SELECT rtrim('  hi  ','xyz')} 
    } {{  hi }}
}
do_test func-22.10 {
    execsql {SELECT trim('xyxzy hi zzyy','xyz');} {{ hi }}
}
do_test func-22.11 {
    execsql {SELECT ltrim('xyxzy hi zzyy','xyz');} {{ hi zzyy}}
}
do_test func-22.12 {
    execsql {SELECT rtrim('xyxzy hi zzyy','xyz');} {{ xyxzy hi }}
}
do_test func-22.13 {
    execsql {SELECT trim(' hi ','');} {{ hi }}
}
if {[db one {PRAGMA encoding}]=="UTF-8"} {
    do_test func-22.14 {
        execsql {SELECT hex(trim(x'c280e1bfbff48fbf6869',x'6162e1bfbfc280'))} {F48FBFBF6869}
    }
    do_test func-22.15 {
        execsql {SELECT hex(trim(x'6869c280e1bfbff48fbf61',
                     x'6162e1bfbfc280f48fbf'))} {6869}
    }
}
do_test func-22.16 {
    execsql {SELECT hex(trim(x'ceb1ceb2ceb3',x'ceb1'))};} {CEB2CEB3}
}
do_test func-22.20 {
    execsql {SELECT typeof(trim(NULL));} {null}
}
do_test func-22.21 {
    execsql {SELECT typeof(trim(NULL,'xyz'));} {null}
}
do_test func-22.22 {
    execsql {SELECT typeof(trim('hello',NULL));} {null}
}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
if capable deprecated {
    do_test func-23.1 {
        sqlite3_create_aggregate db
        execsql {
            SELECT legacy_count() FROM t6;
        } {{ 3}
    }
}

# The group_concat() function.
#
do_test func-24.1 {
execsql {
    SELECT group_concat(t1) FROM tbl1
} {this,program,is,free,software}
do_test func-24.2 {
    execsql {
        SELECT group_concat(t1,' ') FROM tbl1
    } {{this 2 program 3 is 4 free 5 software}}
do_test func-24.3 {
    execsql {
        SELECT group_concat(t1,' ' || rowid || ' ') FROM tbl1
    } {this 2 program 3 is 4 free 5 software}
do_test func-24.4 {
    execsql {
        SELECT group_concat(NULL,t1) FROM tbl1
    } {}}
do_test func-24.5 {
    execsql {
        SELECT group_concat(t1,NULL) FROM tbl1
    } {this program is free software}
do_test func-24.6 {
    execsql {
        SELECT 'BEGIN-'||group_concat(t1) FROM tbl1
    } {BEGIN-this,program,is,free,software}

    # Ticket #3179: Make sure aggregate functions can take many arguments.
    # None of the built-in aggregates do this, so use the md5sum() from the
    # test extensions.
    #
    unset -nocomplain midargs
    set midargs {}
    unset -nocomplain midres
    set midres {}
    unset -nocomplain result
    for {set i 1} {$i<sqlite3_limit db SQLITE_LIMIT_FUNCTION_ARG -1} {incr i} {
        append midargs ,'/i'
        append midres /i
        set result [md5 "this${midres}program${midres}is${midres}free${midres}software${midres}" ]
        set sql "SELECT md5sum(t1$midargs) FROM tbl1"
        do_test func-24.7.$i {
            db eval $::sql
        } $result
    } $result
# Ticket #3806. If the initial string in a group_concat is an empty string, the separator that follows should still be present.

#
do_test func-24.8 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN '' ELSE t1 END) FROM tbl1
  }
} {.program.is.free,software}
do_test func-24.9 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN '' ELSE t1 END) FROM tbl1
  }
} {,,,,,,,,software}

# Ticket #3923. Initial empty strings have a separator. But initial NULLs do not.

#
do_test func-24.10 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
  }
} {program,is,free,software}
do_test func-24.11 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN null ELSE t1 END) FROM tbl1
  }
} {software}
do_test func-24.12 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN '' WHEN 'program' THEN null ELSE t1 END) FROM tbl1
  }
} {,is,free,software}

# Use the test_isolation function to make sure that type conversions on function arguments do not effect subsequent arguments.

#
do_test func-25.1 {
  execsql {SELECT test_isolation(t1,t1) FROM tbl1}
} {this program is free software}

# Try to misuse the sqlite3_create_function() interface. Verify that errors are returned.

#
do_test func-26.1 {

abuse_create_function db
} {}
# The previous test (func-26.1) registered a function with a very long
# function name that takes many arguments and always returns NULL. Verify
# that this function works correctly.
#
do_test func-26.2 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG} {incr i} {
lappend a $i
}
db eval "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {{}}
do_test func-26.3 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
lappend a $i
}
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {too many arguments on function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789}}
do_test func-26.4 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
lappend a $i
}
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {wrong number of arguments to function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1

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23456789_123456789_123456789_123456789_123456789_123456789_123456789()}}
do_test func-26.5 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a}}
do_test func-26.6 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a}}
do_test func-27.1 {
catchsql {SELECT coalesce()}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
catchsql {SELECT coalesce(1)}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
catchsql {SELECT coalesce(1,2)}
} {0 1}
# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
db eval {
CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
}
catchsql {
INSERT INTO t28(x) VALUES(1);
}
} {1 {unknown function: nosuchfunc()}}
# Verify that the length() and typeof() functions do not actually load
# the content of their argument.

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do_test func-29.1 {
    db eval {
        CREATE TABLE t29(id INTEGER PRIMARY KEY, x, y);
        INSERT INTO t29 VALUES(1, 2, 3), (2, NULL, 4), (3, 4.5, 5);
        INSERT INTO t29 VALUES(4, randomblob(1000000), 6);
        INSERT INTO t29 VALUES(5, "hello", 7);
    }
    db close
    sqlite3 db test.db
    sqlite3_db_status db CACHE_MISS 1
    db eval {SELECT typeof(x), length(x), typeof(y) FROM t29 ORDER BY id}
} {integer 1 integer null {} integer real 3 integer blob 1000000 integer text 5 integer}

do_test func-29.2 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x<5} {set x 1}
    set x
} {1}

do_test func-29.3 {
    db close
    sqlite3 db test.db
    sqlite3_db_status db CACHE_MISS 1
    db eval {SELECT typeof(+x) FROM t29 ORDER BY id}
} {integer null real blob text}

if {[permutation] != "mmap"} {
    do_test func-29.4 {
        set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
        if {$x>100} {set x many}
        set x
    } {many}
}

do_test func-29.5 {
    db close
    sqlite3 db test.db
    sqlite3_db_status db CACHE_MISS 1
    db eval {SELECT sum(length(x)) FROM t29}
} {1000009}

do_test func-29.6 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x<5} {set x 1}
    set x
} {1}

do_execsql_test func-30.1 {SELECT unicode('$');} 36
do_execsql_test func-30.2 [subst {SELECT unicode('\u00A2');}] 162
do_execsql_test func-30.3 [subst {SELECT unicode('\u20AC');}] 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} [subst {$\u00A2\u20AC}]
for {set i 1} {$i<0xd800} {incr i 13} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 57344} {$i<=0xfffd} {incr i 17} {
    if {$i==0xfeff} continue
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 65536} {$i<=0x10ffff} {incr i 139} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 October 1
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#     May you do good and not evil.
#     May you find forgiveness for yourself and forgive others.
#     May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module, and in particular
# the Porter stemmer.
#
# $Id: fts1porter.test,v 1.5 2006/10/03 19:37:37 drh Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
ifcapable !fts1 {
    finish_test
    return
}

# Test data for the Porter stemmer. The first word of each line
# is the input. The second word is the desired output.
# # This test data is taken from http://www.tartarus.org/martin/PorterStemmer/
# There is no claim of copyright made on that page, but you should
# probably contact the author (Martin Porter - the inventor of the
# Porter Stemmer algorithm) if you want to use this test data in a
# commercial product of some kind. The stemmer code in FTS is a
# complete rewrite from scratch based on the algorithm specification
# and does not contain any code under copyright.

#
#
# set porter_test_data {
    a                        a
  aaron              aaron
  abaissiez          abaissiez
  abandon            abandon
  abandoned          abandon
  abase              abas
  abash              abash
  abate              abat
  abated             abat
  abatement          abat
  abatements         abat
  abates             abat
  abess              abess
  abbey              abbei
  abbeys             abbei
  abominable         abomin
  abbot              abbot
  abbots             abbot
  abbreviated        abbrevi
  abed               ab
  abel               abel
  aberga             aberga
  abergavenny        abergavenni
  abet               abet
  abetting           abet
  abhominable        abhomin
  abhor              abhor
  abhorr             abhorr
  abhorred           abhor
  abhorring          abhor
  abhors             abhor
  abhorson           abhorson
  abide              abid
  abides             abid
  abilities          abil
  ability            abil
  abject             abject
  abjectly           abjectli
  abjects            abject
  abjur              abjur
abjure  abjur
able    abl
abler   abler
aboard  aboard
abode   abod
aboded  abod
abodements abod
aboding  abod
abominable abomin
abominably abomin
abominations abomin
abortive abort
abortives abort
abound  abound
abounding abound
about   about
above   abov
abr     abr
abraham abraham
abram   abram
abrearst abrearst
abridg  abridg
abridge  abridg
abridged abridg
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abroad  abroad
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# Create a full-text index to use for testing the stemmer.
#
db close
sqlite3 db :memory:
db eval {
    CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}

foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
    execsql {
        DELETE FROM t1_term;
        DELETE FROM t1_content;
        INSERT INTO t1(word) VALUES($pfrom);
        SELECT term FROM t1_term;
    }
} $pto
}

finish_test

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_1-1.src.rpm-cosi-expand-
archive-d7GDY6A0/sqlite-src-3071700.zip-cosi-expand-archive-dNlVkuI7/sqlite-src-3071700/test/fts1porter.test
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SQLite is high-quality, public domain software. The goal of members can also request their own private, proprietary extensions

/*
 ** CAPI3REF: Configuration Options
 ** KEYWORDS: [configuration option]
 **
 ** These constants are the available integer configuration options that
 ** can be passed as the first argument to the [sqlite3_config()] interface.
 **
 ** New configuration options may be added in future releases of SQLite.
 ** Existing configuration options might be discontinued. Applications
 ** should check the return code from [sqlite3_config()] to make sure that
 ** the call worked. The [sqlite3_config()] interface will return a
 ** non-zero [error code] if a discontinued or unsupported configuration option
 ** is invoked.
 **
 **<dl>
 ** [[SQLITE_CONFIG_SINGLETHREAD]]<dt>SQLITE_CONFIG_SINGLETHREAD</dt>
 **<dd>There are no arguments to this option.  ^This option sets the
 **[threading mode] to Single-thread. In other words, it disables
 ** all mutexing and puts SQLite into a mode where it can only be used
 ** by a single thread.  ^If SQLite is compiled with
 ** the [SQLITE_THREADSAFE] [SQLITE_THREADSAFE=0] compile-time option then
 ** it is not possible to change the [threading mode] from its default
 ** value of Single-thread and so [sqlite3_config()] will return
 ** [SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD
 ** configuration option.</dd>
 **
 **[[SQLITE_CONFIG_MULTITHREAD]]<dt>SQLITE_CONFIG_MULTITHREAD</dt>
 **<dd>There are no arguments to this option.  ^This option sets the
 **[threading mode] to Multi-thread. In other words, it disables
 **
** mutexing on [database connection] and [prepared statement] objects.
** The application is responsible for serializing access to
** [database connections] and [prepared statements]. But other mutexes
** are enabled so that SQLite will be safe to use in a multi-threaded
** environment as long as no two threads attempt to use the same
** [database connection] at the same time. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Multi-thread [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQL_CONFIG_MULTITHREAD configuration option.</dd>
**
** [[SQLITE_CONFIG_SERIALIZE]] <dt>SQLITE_CONFIG_SERIALIZE</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Serialized. In other words, this option enables
** all mutexes including the recursive
** mutexes on [database connection] and [prepared statement] objects.
** In this mode (which is the default when SQLite is compiled with
** [SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access
** to [database connections] and [prepared statements] so that the
** application is free to use the same [database connection] or the
** same [prepared statement] in different threads at the same time.
** ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Serialized [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQL_CONFIG_SERIALIZE configuration option.</dd>
**
** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ ^SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns.</dd>
**
** [[SQLITE_CONFIG_GET_MALLOC]] <dt>SQLITE_CONFIG_GET_MALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^ ^This option can be used to overload the default memory allocation
** routines with a wrapper that simulations memory allocation failure or
** tracks memory usage, for example. </dd>
**
** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^This option takes single argument of type int, interpreted as a
** boolean, which enables or disables the collection of memory allocation
** statistics. ^When memory allocation statistics are disabled, the
** following SQLite interfaces become non-operational:
**<dt>SQLITE_CONFIG_SCRATCH</dt><dd>^This option specifies a static memory buffer that SQLite can use for scratch memory. There are three arguments: A pointer an 8-byte aligned memory buffer from which the scratch allocations will be drawn, the size of each scratch allocation (sz), and the maximum number of scratch allocations (N). The sz argument must be a multiple of 16. The first argument must be a pointer to an 8-byte aligned buffer of at least sz*N bytes of memory. ^SQLite will use no more than two scratch buffers per thread. So N should be set to twice the expected maximum number of threads. ^SQLite will never require a scratch buffer that is more than 6 times the database page size. ^If SQLite needs needs additional scratch memory beyond what is provided by this configuration option, then [sqlite3_malloc()] will be used to obtain the memory needed.<dd>^</dd><dt>SQLITE_CONFIG_PAGECACHE</dt><dd>^This option specifies a static memory buffer that SQLite can use for the database page cache with the default page cache implementation. This configuration should not be used if an application-define page cache implementation is loaded using the SQLITE_CONFIG_PCACHE2 option. There are three arguments to this option: A pointer to 8-byte aligned memory, the size of each page buffer (sz), and the number of pages (N). The sz argument should be the size of the largest database page (a power of two between 512 and 32768) plus a little extra for each page header. ^The page header size is 20 to 40 bytes depending on the host architecture. ^It is harmless, apart from the wasted memory, to make sz a little too large. The first argument should point to an allocation of at least sz*N bytes of memory. ^SQLite will use the memory provided by the first argument to satisfy its memory needs for the first N pages that it adds to cache. ^If additional page cache memory is needed beyond what is provided by this option, then SQLite goes to [sqlite3_malloc()] for the additional storage space. ^The pointer in the first argument must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.**
** SQLITE_CONFIG_HEAP <dt>SQLITE_CONFIG_HEAP</dt>**

This option specifies a static memory buffer that SQLite will use for all of its dynamic memory allocation needs beyond those provided for by [SQLITE_CONFIG_SCRATCH] and [SQLITE_CONFIG_PAGECACHE].

There are three arguments: An 8-byte aligned pointer to the memory, the number of bytes in the memory buffer, and the minimum allocation size.

^If the first pointer (the memory pointer) is NULL, then SQLite reverts to using its default memory allocator (the system malloc() implementation), undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the memory pointer is not NULL and either [SQLITE_ENABLE_MEMSYS3] or [SQLITE_ENABLE_MEMSYS5] are defined, then the alternative memory allocator is engaged to handle all of SQLite's memory allocation needs.

The first pointer (the memory pointer) must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.

The minimum allocation size is capped at 2**12. Reasonable values for the minimum allocation size are 2**5 through 2**8.

** SQLITE_CONFIG_MUTEX <dt>SQLITE_CONFIG_MUTEX</dt>**

This option takes a single argument which is a pointer to an alternative low-level mutex routines to be used in place of the mutex routines built into SQLite. SQLite makes a copy of the content of the [sqlite3_mutex_methods] structure before the call to [sqlite3_config()] returns. If SQLite is compiled with the SQLITE_THREADSAFE | SQLITE_THREADSAFE=0 compile-time option then the entire mutexing subsystem is omitted from the build and hence calls to [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will return [SQLITE_ERROR].

** SQLITE_CONFIG_GETMUTEX <dt>SQLITE_CONFIG_GETMUTEX</dt>**

This option takes a single argument which is a pointer to an alternative low-level mutex routines to be used in place of the mutex routines built into SQLite. SQLite makes a copy of the content of the [sqlite3_mutex_methods] structure before the call to [sqlite3_config()] returns. If SQLite is compiled with the SQLITE_THREADSAFE | SQLITE_THREADSAFE=0 compile-time option then the entire mutexing subsystem is omitted from the build and hence calls to [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will return [SQLITE_ERROR].

** SQLITE_CONFIG_LOOKASIDE <dt>SQLITE_CONFIG_LOOKASIDE</dt>**

This option takes two arguments that determine the default memory allocation for the lookaside memory allocator on each database connection. The first argument is the size of each lookaside buffer slot and the second is the number of slots allocated to each database connection. This option sets the...
** default lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE] verb to [sqlite3_db_config()] can be used to change the lookaside configuration on individual connections.</dd>
**
** [SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> This option takes a single argument which is a pointer to an [sqlite3_pcache_methods2] object. SQLite makes a copy of the object and uses it for page cache memory allocations.</dd>
**
** [SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>
** <dd> This option takes a single argument which is a pointer to an [sqlite3_pcache_methods2] object. SQLite copies of the current page cache implementation into that object.</dd>
**
** [SQLITE_CONFIG_LOG]] <dt>SQLITE_CONFIG_LOG</dt>
** <dd> The SQLITE_CONFIG_LOG option is used to configure the SQLite global [error log].
** (^The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a function with a call signature of void(*)(void*,int,const char*), and a pointer to void. ^If the function pointer is not NULL, it is invoked by [sqlite3_log()] to process each logging event. ^If the function pointer is NULL, the [sqlite3_log()] interface becomes a no-op.
** ^The void pointer that is the second argument to SQLITE_CONFIG_LOG is passed through as the first parameter to the application-defined logger function whenever that function is invoked. ^The second parameter to the logger function is a copy of the first parameter to the corresponding [sqlite3_log()] call and is intended to be a [result code] or an [extended result code]. ^The third parameter passed to the logger is log message after formatting via [sqlite3_snprintf()].
** The SQLite logging interface is not reentrant; the logger function supplied by the application must not invoke any SQLite interface.
** In a multi-threaded application, the application-defined logger function must be threadsafe.</dd>
**
** [SQLITE_CONFIG_URI]] <dt>SQLITE_CONFIG_URI
** <dd> This option takes a single argument of type int. If non-zero, then URI handling is globally enabled. If the parameter is zero, then URI handling is globally disabled. If URI handling is globally enabled, all filenames specified as part of [ATTACH] commands are interpreted as URIs, regardless of whether or not the [SQLITE_OPEN_URI] flag is set when the database connection is opened. If it is globally disabled, filenames are only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the database connection is opened. By default, URI handling is globally disabled. The default value may be changed by compiling with the [SQLITE_USE_URI] symbol defined.</dd>
**
**[[SQLITE_CONFIG_COVERING_INDEX_SCAN]]**  
**<dt>SQLITE_CONFIG_COVERING_INDEX_SCAN**  
**<dt><dd>This option takes a single integer argument which is interpreted as  
**a boolean in order to enable or disable the use of covering indices for  
**full table scans in the query optimizer. The default setting is determined  
**by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is "on"  
**if that compile-time option is omitted.  
**The ability to disable the use of covering indices for full table scans  
**is because some incorrectly coded legacy applications might malfunction  
**malfunction when the optimization is enabled. Providing the ability to  
**disable the optimization allows the older, buggy application code to work  
**without change even with newer versions of SQLite.  
**  
**[[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]]**  
**<dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE**  
**<dt><dd>These options are obsolete and should not be used by new code.  
**They are retained for backwards compatibility but are now no-ops.  
**</dd>**  
**  
**[[SQLITE_CONFIG_SQLLOG]]**  
**<dt>SQLITE_CONFIG_SQLLOG**  
**<dt><dd>This option is only available if sqlite is compiled with the  
**[SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should  
**be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).  
**The second should be of type (void*). The callback is invoked by the library  
**in three separate circumstances, identified by the value passed as the  
**fourth parameter. If the fourth parameter is 0, then the database connection  
**passed as the second argument has just been opened. The third argument  
**points to a buffer containing the name of the main database file. If the  
**fourth parameter is 1, then the SQL statement that the third parameter  
**points to has just been executed. Or, if the fourth parameter is 2, then  
**the connection being passed as the second parameter is being closed. The  
**third parameter is passed NULL In this case. An example of using this  
**configuration option can be seen in the "test_sqllog.c" source file in  
**the canonical SQLite source tree.</dd>**  
**  
**[[SQLITE_CONFIG_MMAP_SIZE]]**  
**<dt>SQLITE_CONFIG_MMAP_SIZE**  
**<dt><dd>SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values  
**that are the default mmap size limit (the default setting for  
**[PRAGMA mmap_size]) and the maximum allowed mmap size limit.  
**The default setting can be overridden by each database connection using  
**either the [PRAGMA mmap_size] command, or by using the  
**[SVALUE.FCNTL MMMAP SIZE] file control. The maximum allowed mmap size  
**cannot be changed at run-time. Nor may the maximum allowed mmap size  
**exceed the compile-time maximum mmap size set by the  
**[SQLITE_MAX_MMAP_SIZE] compile-time option.  
**If either argument to this option is negative, then that argument is  
**changed to its compile-time default.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-archive-d7GDY6A0/sqlite-src-3071700.zip-cosi-expand-archive-dNlVkuI7/sqlite-src-3071700/src/sqlite.h.in
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Found in path(s):
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# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS3 module.
#
#$Id: fts3ac.test,v 1.1 2007/08/20 17:38:42 shess Exp$
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS3 is defined, omit this file.
ifcapable !fts3 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts3ac-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts3([from],[to],subject,body);
        BEGIN TRANSACTION;
    
    ...
The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

- If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
- If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge volume will be the parent’s minimum volume.
- For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

**Parent’s Settings:**
- Minimum: 5000
- Increment: 1000

<table>
<thead>
<tr>
<th>Volume on Autohedge transaction</th>
<th>Volume Hedged</th>
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<td>2500 - 54995000</td>
<td>5000</td>
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<tr>
<td>5500 - 64996000</td>
<td></td>
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</tbody>
</table>

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/
me with your activity reports so I can have Julie enter this information.

JD');
INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rt/010129/n29305829.html');
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');
INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent:Tuesday, October 16, 2001 3:42 PM
To:Carter, Karen E.
Subject:FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent:Friday, September 21, 2001 8:33 PM
Subject:Producers Newsletter 9-24-2001

');
INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy'};
INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,
If Julie’s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd’s sheets as well. Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent:Thursday, December 20, 2001 11:10 AM
To:McCarty, Danny
Subject:worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,
PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT);

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.');</INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');</INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');</INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

');

INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages. In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.

- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');}
You are invited to attend the EWS Brown Bag Lunch Series

Featuring:  RAY BOWEN, COO

Topic:  Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch.      Limited Seating
We provide drinks and dessert.    RSVP  x 3-9610

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To:  "''chris.germany@enron.com''" <chris.germany@enron.com>
cc:
Subject: About St Pauls

<<About St Pauls.url>>

Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m.,
among others.

Let me know.?? ii

- About St Pauls.url
As discussed in the Winter Operations Meeting on Sept 29, 2000, E-Gas (Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations (daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.

Here is a goody for you:

LS HPL LSK IC 30.000 / Enron

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira

Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160

FW: Curve Fetch File, 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.'

adam
Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

- 31 Keystone Receipts
- 15 Questar Pipeline
- 40 Rockies Production
- 22 West_2
- 23 West_3
- 25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: "Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
<Leila_Mankarious@mhhh.org>, "Marymankarious (E-mail)"
<marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival
http://www.egyptianfestival.com/

- Egyptian Festival.url
)
INSERT INTO email(from,[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'sherry.dawson@enron.com', 'Urgent!!! --- New EAST books', 'This has to be done........................................

Thanks
---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM ---------------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK
)
INSERT INTO email(from,[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.
When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

John H Herbert <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc:
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf
several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

T.Jae Black  
East Power Trading  
Assistant to Kevin Presto  
off. 713-853-5800  
fax 713-646-8272  
cell 713-539-4760;

INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');

INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE]

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.
SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, karen.denne@enron.com,', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.
Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie

');

INSERT INTO email([from],[to],subject,body) VALUES('fletcher.sturm@enron.com', 'eloy.escobar@enron.com', 'Re: General Brinks Position Meeting', 'Eloy,
Who is General Brinks?

Fletch

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

Michael,

These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:

- Finalize market analysis to refine business case, specifically projected revenue stream
- Complete counterparty surveying, including targeting 3 CPs for letters of intent
- Review Enron asset base for potential reuse/licensing
- Contract negotiations
Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com', 'Re: Guadalupe Power Partners LP', '---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ----------------------')

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.
If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

-- 2001Summer.doc

INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com,' , 'Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net,' , 'Oral Argument Request', ' - Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', '', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712..... my cell # is 281-381-7332
the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', '

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time) I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');
INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com,' , 'email address change', 'Hello all.

I haven"t talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com;', '2001 Enron Law Conference (Distribution List 2)', 'Enron Law Conference
San Antonio, Texas  May 2-4, 2001  Westin Riverwalk
See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i’ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG  3-9573
From: Bryce Baxter                           06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you
complete her feedback by end of business Wednesday? It will really help me
in the PRC process to have your input. Thanks.

');

INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com',
'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as
well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey');

INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com',
david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com', 'Postings', 'Please see the attached.

ds

');

INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com,
james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --
It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com);

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

');

');

'});
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', '
Please contact me if you have any questions regarding last week prices.

Thank you,
Karolyn Criado
3-9441

');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.');
INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg,
I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy');
INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out.....

www.gorelieberman-2000.com/');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,
I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)). This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip');
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com', 'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,
I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

Open Source Used In Cisco Auto Inline Retuner 2.1.0 16998
1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not
     included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on
new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com');

INSERT INTO email([from],[to],subject,body) VALUES('d.thomas@enron.com', 'naveed.ahmed@enron.com',
'FW: Current Enron TCC Portfolio', ' ')

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To:Grace, Rebecca M.
Subject:FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,','Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???, '

-----Original Message-----
From: Kenne, Dawn C.
Sent:Wednesday, February 06, 2002 11:50 AM
To:Keiser, Kam
Subject:What about this too???

<< File: Netco Trader Matrix.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which
means Batch Funding Request. Please update per my previous e-mail and forward.
Thanks

cris
x31666;
INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', ", 'Have a great weekend! Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490);
INSERT INTO email([from],[to],subject,body) VALUES('outlook.team@enron.com', ", 'Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY: APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:
INSERT INTO email([from],[to],subject,body) VALUES('diana.seifert@enron.com', 'mark.taylor@enron.com', 'Guest access Chile', 'Hello Mark,

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!

Best regards

Diana Seifert
EOL PCG);
INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'mark.whitt@enron.com', '<Concur Expense Document> - 121001', 'The Approval status has changed on the following report:
Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com

INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com', '', 'Technical Support', 'Outside the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.');

INSERT INTO email([from],[to],subject,body) VALUES('geoff.storey@enron.com', 'dutch.quigley@enron.com', 'RE:', 'duke contact?

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp Albert LaMore 281-366-4962
running the reports now

-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:
give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject:

Coral Jeff Whitnah 713-767-5374
Relaint Steve McGinn 713-207-4000

INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3;  <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3;  No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE -->> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
   Details: (Hour: 3 / Preferred:   1.92 / Final:   1.89)
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
SC_ID: EPMI

');
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at
11:15...talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '"
This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');
   COMMIT;
   }
} {}
do_test fts3ac-1.7 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  }
} {6 17 25 38 42 73 74}

do_test fts3ac-1.8 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  }
} {24}

do_test fts3ac-1.9 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
  }
} {6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts3ac-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

do_test fts3ac-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}

do_test fts3ac-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

do_test fts3ac-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8}}

# Open Source Used In Cisco Auto Inline Retuner 2.1.0 17005


SELECT rowid, offsets(email) FROM email
WHERE body MATCH 'gas reminder'
}
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts3ac-3.1 {
excsq {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts3ac-3.2 {
excsq {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}
}

# Snippet generator tests
#
do_test fts3ac-4.1 {
excsq {
SELECT snippet(email) FROM email
WHERE email MATCH 'subject:gas reminder'
}
} {{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b>}}
do_test fts3ac-4.2 {
excsq {
SELECT snippet(email) FROM email
WHERE email MATCH 'christmas candlelight'
}
} {{<b>...</b>here <b>Christmas</b> eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service<b>...</b>}}
do_test fts3ac-4.3 {
excsq {
SELECT snippet(email) FROM email
WHERE email MATCH 'deal sheet potential reuse'
}
} {{EOL-Accenture <b>Deal</b> <b>Sheet</b>/asset base for <b>potential</b>/licensing
   Contract negotiations<b>...</b>}}
do_test fts3ac-4.4 {
excsq {
SELECT snippet(email,'<<<','>>>',' ') FROM email
WHERE email MATCH 'deal sheet potential reuse'
}
]
{{EOL-Accenture {{<<Deal>>> {{Sheet>>> asset base for {{potential>>> {{reuse>>>/ licensing
  Contract negotiations ]]}}
do_test fts3ac-4.5 {
execsql {
  SELECT snippet(email,<<',>>,') FROM email
  WHERE email MATCH 'first things'
}
{{Re: {{First>>> Polish Deal! Congrats! {{Things>>> seem to be building rapidly now ]}}
do_test fts3ac-4.6 {
execsql {
  SELECT snippet(email) FROM email
  WHERE email MATCH 'chris is here'
}
{{<b>...</b><b>chris</b>.germany@enron.com" "<b>chris</b><b>...</b><b>bet this <b>is</b> next to<b>...</b><b>about going <b>here</b> Christmas eve<b>...</b><b>]]></b>
do_test fts3ac-4.7 {
execsql {
  SELECT snippet(email) FROM email
  WHERE email MATCH '"pursuant to"'
}
{{Erin:
<b>Pursuant</b> <b>to</b> your request, attached are the Schedule to the ISDA Master Agreement, together<b>...</b><b>]]></b>
do_test fts3ac-4.8 {
execsql {
  SELECT snippet(email) FROM email
  WHERE email MATCH 'ancillary load davis'
}
{{pete.<b>davis</b>@enron.com<b>...</b><b>3; No <b>ancillary</b> schedules awarded<b>...</b>detected in <b>Load</b> schedule.

LOG<b>...</b><b>]]></b>

# Combinations of AND and OR operators:
#
do_test fts3ac-5.1 {
execsql {
  SELECT snippet(email) FROM email
  WHERE email MATCH 'questar enron OR com'
}
{{matt.smith@<b>enron</b>.<b>com</b>...<b>31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies<b>...</b><b>]]></b>

do_test fts3ac-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@enron.com...31 Keystone Receipts 15 Questar Pipeline 40 Rockies...}}

# Test a problem reported on the mailing list.
#
do_test fts3ac-6.1 {
  execsql {
    CREATE VIRTUAL TABLE ft USING fts3(one, two);
    INSERT INTO ft VALUES('', 'foo');
    INSERT INTO ft VALUES('foo', 'foo');
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
} {{1 0 0 3} {0 0 3 1 0 0 3}}
do_test fts3ac-6.2 {
  execsql {
    DELETE FROM ft WHERE one = 'foo';
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
  }
} {{1 0 0 3}}

finish_test


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)print dup( )cvs print
```

1.1393 plugin-properties 2.0.3

1.1394 invasionapp-go-logger v1.0.1

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1.1395 netty-transport-native-epoll

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

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java

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

/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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Appendix: How to Apply These Terms to Your New Libraries

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possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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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 2.1, February 1999

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This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code 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.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser 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 combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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@end enumerate

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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.

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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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable `work that uses the Library`, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

@item
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.

@item
If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

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reproducing the executable from it. However, as a special exception,
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@enumerate a
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!
If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support.
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while
synthetic instructions remained shrinkable (jbsr). John fixed many
bugs, including true tested cross-compilation support, and one bug in
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT
syntaxes for the 68k, completed support for some COFF targets (68k,
i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael
Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support,
and made a few other minor patches. He handled the binutils releases
for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of
Cygnus Solutions (original, incomplete implementation), Pete
Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of
Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon
University. Additional work was done by Ken Raeburn of Cygnus
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.1403 tar 1.29b 2ubuntu0.1
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include/GL/wglxext.h:

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1.1421 xorg-x11-font-utils 7.5 21.el7

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

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Ty Coon, President of Vice

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This option is useful when you wish to copy part of the code of
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the
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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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# Jackson JSON processor

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

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1.1433 logstash-codec-fluent 3.2.0

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1.1436 libtext-soundex-perl 3.4-1+b2

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1.1438 logstash-output-nagios 3.0.6
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1.1439 json-cpp 1.9.1

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*/
/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */

public class Version {

/**
 * Get the basic version string for the current Xalan release.
 * Version String formatted like
 * Futurework: have this read version info from jar manifest.
 *
 * @return String denoting our current version
 */

public static String getVersion()
{
}

/**
 * Print the processor version to the command line.
 */
public static void main(String argv[]) {
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct() {
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage() {
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum() {
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 */
- its designated as a reference release.

/**
   * Maintenance Drop Number.
   * Optional identifier used to designate maintenance
   * drop applied to a specific release and contains
   * fixes for defects reported. It maintains compatibility
   * with the release and contains no API changes.
   * When missing, it designates the final and complete
   * development drop for a release.
   */

public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
   * Development Drop Number.
   * Optional identifier designates development drop of
   * a specific release. D01 is the first development drop
   * of a new release.
   *
   * Development drops are works in progress towards a
   * complete, final release. A specific development drop
   * may not completely implement all aspects of a new
   * feature, which may take several development drops to
   * complete. At the point of the final drop for the
   * release, the D suffix will be omitted.
   *
   * Each 'D' drops can contain functional enhancements as
   * well as defect fixes. 'D' drops may not be as stable as
   * the final releases.
   */

public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.src
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 */

/*
* This is a special exception that is used to stop parsing when searching for an element. For instance, when searching for xml:stylesheet PIs, it is used to stop the parse once the document element is found.
* @see StylesheetPIHandler
* @xsl.usage internal
*/

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/StopParseException.java
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   * limitations under the License.
   */

public final class Version {

    /*
     * Administrative class to keep track of the version number of
     * the Serializer release.
     * <P>This class implements the upcoming standard of having
     * <code>org.apache.project-name.Version.getVersion()</code> be a standard way
     * to get version information.</P>
     * @xsl.usage general
     */
    
    public final class Version {

        /**
         * Get the basic version string for the current Serializer.
         * Version String formatted like
         * <code>&lt;B&gt;Serializer&lt;/B&gt; &lt;B&gt;Java&lt;/B&gt; v.r[.dd|&lt;B&gt;D&lt;/B&gt;nn]&lt;/CODE&gt;.
         */
    
}
public static String getVersion()
{
    return getProduct() + " " + getImplementationLanguage() + " "
            + getMajorVersionNum() + "." + getReleaseVersionNum() + " ."
}

/**
 * Print the processor version to the command line.
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */
public static String getProduct()
{
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th version.
 * Clients should carefully consider the implications
/*
 * of new versions as external interfaces and behaviour
 * may have changed.
 */

public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 *    - a new set of functionality is to be added, eg,
 *      implementation of a new W3C specification.
 *    - API or behaviour change.
 *    - its designated as a reference release.
 */

public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */

public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 */
Each 'D' drops can contain functional enhancements as well as defect fixes. 'D' drops may not be as stable as the final releases.

```
public static int getDevelopmentVersionNum()
{
    try {
        if (((String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
```

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src

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/**
* Major version number.
* Version number. This changes only when there is a significant, externally apparent enhancement from the previous release. 'n' represents the n'th version.
* Clients should carefully consider the implications of new versions as external interfaces and behaviour
* may have changed.
*/

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.java
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*/

// Attribution to: "Voytenko, Dimitry" <DVoytenko@SECTORBASE.COM>

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*/

// Proprietary
/** The 'document-location()' id (Proprietary). */

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/Encodings.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/XMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_text.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/res/XSLTInfo.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_xml.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_unknown.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/HTMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/compiler/Makefile.inc
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_html.properties
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*/

/*
 * $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
 */

/*
 * @author Jacek Ambroziak
 * @author Santiago Pericas-Geertsen
 * @author Morten Jorgensen
 * @author G. Todd Miller
 */

package org.apache.xalan.xslt.compiler;

import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;
import org.apache.xml.dtm.DTM;
import org.apache.xalan.xslt.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xslt.runtime.Operators;
import org.apache.xalan.xslt.compiler.util.ErrorMsg;

parser code {
  /**
   * Used by function calls with no args.
   */
  static public final Vector EmptyArgs = new Vector(0);

  /**
   * Reference to non-existing variable.
   */
  static public final VariableRef DummyVarRef = null;

  /**
   * Reference to the Parser class.
   */
  private Parser _parser;
  private XSLTC _xsltc;
/**
 * String representation of the expression being parsed.
 */
private String _expression;

/**
 * Line number where this expression/pattern was declared.
 */
private int _lineNumber = 0;

/**
 * Reference to the symbol table.
 */
public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xsltc = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {
    _xsltc.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xsltc.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xsltc.setHasIdCall(flag);
}

/**
 * This method is similar to findNodeType(int, Object) except that it
* creates a StepPattern instead of just returning a node type. It also
* differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
* patterns are expanded as "*[namespace-uri() = 'uri']" and
* "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
* simplifies the grouping of patterns in the Mode class. For this
* expansion to be correct, the priority of the pattern/template must be
* set to -0.25 (when no other predicates are present).
*/

public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
    int nodeType;

    if (test == null) {  // "*"
        nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
            (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;

        return new StepPattern(axis, nodeType, predicates);
    }

    else if (test instanceof Integer) {
        nodeType = ((Integer) test).intValue();

        return new StepPattern(axis, nodeType, predicates);
    }

    else {
        QName name = (QName)test;
        boolean setPriority = false;

        if (axis == Axis.NAMESPACE) {
            nodeType = (name.toString().equals("*") ? -1
                : _xsltc.registerNamespacePrefix(name))
                : -1;
            }

        else {
            final String uri = name.getNamespace();
            final String local = name.getLocalPart();
            final QName namespace_uri =
                _parser.getQNameIgnoreDefaultNs("namespace-uri");

            // Expand [uri]:* to *[namespace-uri() = 'uri'] - same for @*
            if (uri != null && (local.equals("*") || local.equals("@*"))) {
                if (predicates == null) {
                    predicates = new Vector(2);
                }

                predicates = new Vector(2);
            }

            // Priority is set by hand if no other predicates exist
            setPriority = (predicates.size() == 0);

            predicates.add(
                new Predicate(
                    new EqualityExpr(Operators.EQ,
                        new QName("namespace-uri").getLocalPart()),
                    new QName("namespace-uri").getNamespaceURI()));

            return new StepPattern(axis, nodeType, predicates);
        }
    }
}
new NamespaceUriCall(namespace_uri),
new LiteralExpr(uri));
}

if (local.equals("*")) {
   .nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
                       NodeTest.ELEMENT;
}
else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
}
else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) :
                   _xsltc.registerElement(name);
}
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

    // Set priority for case prefix:* and prefix:@* (no predicates)
    if (setPriority) {
        result.setPriority(-0.25);
    }

    return result;
}

public int findNodeType(int axis, Object test) {
    if (test == null) {  // *
        return (axis == Axis.ATTRIBUTE) ?
                       NodeTest.ATTRIBUTE :
                           (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
    }
    else if (test instanceof Integer) {
        return ((Integer)test).intValue();
    }
    else {
        QName name = (QName)test;

        if (axis == Axis.NAMESPACE) {
            return (name.toString().equals("*")) ? -1 :
                        _xsltc.registerNamespacePrefix(name);
        }
        if (name.getNamespace() == null) {
            final String local = name.getLocalPart();

            if (axis == Axis.NAMESPACE) {
                return (name.toString().equals("*")) ? -1 :
                        _xsltc.registerNamespacePrefix(name);
            }
            if (name.getNamespace() == null) {
                final String local = name.getLocalPart();


if (local.equals("*")) {
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
    NodeTest.ELEMENT;
} else if (local.equals("@*")) {
    return NodeTest.ATTRIBUTE;
}

return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) :
    _xsltc.registerElement(name);
}

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external   Set to <tt>true</tt> if this expression is
 *                   compiled in a separate module.
 *
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    } catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 *
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
return(result);
else
    return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
    _parser.reportError(Constants.ERROR, error);
}

public void report_error(String message, Object info) {
    final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
            _expression);
    _parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep");
        return rlp;
    }
    }

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
    return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
            axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}

public boolean isElementAxis(int axis) {
    return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
            axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}

://

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
precedence left ATSIGN;
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
    {: RESULT = pattern; :}
    | EXPRESSION Expr:expr
    {: RESULT = expr; :};

/* --------------------------- Patterns ----------------------------------- */

Pattern ::= LocationPathPattern:lpp
    {: RESULT = lpp; :}
    | LocationPathPattern:lpp VBAR Pattern:p
   {: RESULT = new AlternativePattern(lpp, p); :};

LocationPathPattern ::= SLASH
    {: RESULT = new AbsolutePathPattern(null); :}
    | SLASH RelativePathPattern:rpp
    {: RESULT = new AbsolutePathPattern(rpp); :}
    | IdKeyPattern:ikp
    {: RESULT = ikp; :}
    | IdKeyPattern:ikp SLASH RelativePathPattern:rpp
    {: RESULT = new ParentPattern(ikp, rpp); :}
    | IdKeyPattern:ikp DSLASH RelativePathPattern:rpp
    {: RESULT = new AncestorPattern(ikp, rpp); :}
    | DSLASH RelativePathPattern:rpp
    {: RESULT = new AncestorPattern(rpp); :}
    | RelativePathPattern:rpp
    {: RESULT = rpp; :};

IdKeyPattern ::= ID LPAREN Literal:l RPAREN
    {: RESULT = new IdPattern(l);
        parser.setHasIdCall(true);
    :}
    | KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
    {: RESULT = new KeyPattern(l1, l2); :};
ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{: RESULT = new ProcessingInstructionPattern(l); :};

RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}

| StepPattern:sp SLASH RelativePathPattern:rpp
{: RESULT = new ParentPattern(sp, rpp); :}

| StepPattern:sp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(sp, rpp); :};

StepPattern ::= NodeTestPattern:nt
{: RESULT = parser.createStepPattern(Axis.CHILD, nt, null); :}

| NodeTestPattern:nt Predicates:pp
{: RESULT = parser.createStepPattern(Axis.CHILD, nt, pp); :}

| ProcessingInstructionPattern:pip
{: RESULT = pip; :}

| ProcessingInstructionPattern:pip Predicates:pp
{: RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); :}

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
{: RESULT = parser.createStepPattern(axis.intValue(), nt, null); :}

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt Predicates:pp
{: RESULT = parser.createStepPattern(axis.intValue(), nt, pp); :}

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
{: RESULT = pip; // TODO: report error if axis is attribute :}

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
Predicates:pp
{: // TODO: report error if axis is attribute :}
RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
;

NodeTestPattern ::= NameTestPattern:nt
{: RESULT = nt; :}

| NODE
{: RESULT = new Integer(NodeTest.ANODE); :}

| TEXT
{: RESULT = new Integer(NodeTest.TEXT); :}

| COMMENT
{: RESULT = new Integer(NodeTest.COMMENT); :}

| PI
{: RESULT = new Integer(NodeTest.PI); :};

NameTestPattern ::= STAR
{: RESULT = null; :}

| QName:qn
{: RESULT = qn; :};

ChildOrAttributeAxisSpecifier ::= ATSIGN
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

| CHILD DCOLON
{: RESULT = new Integer(Axis.CHILD); :}

| ATTRIBUTE DCOLON
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

Predicates ::= Predicate:p
{: Vector temp = new Vector();
temp.addElement(p);
RESULT = temp;
:}

| Predicate:p Predicates:pp
{: pp.insertElementAt(p, 0); RESULT = pp; :};

Predicate ::= LBRACK Expr:e RBRACK
{: RESULT = new Predicate(e);
:}
/* --------------------------- Expressions --------------------------------- */

Expr ::= OrExpr:ex
    { : RESULT = ex; : }

OrExpr ::= AndExpr:ae
    { : RESULT = ae; : } |
    OrExpr:oe OR AndExpr:ae
    { : RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); : }

AndExpr ::= EqualityExpr:e
    { : RESULT = e; : } |
    AndExpr:ae AND EqualityExpr:ee
    { : RESULT = new LogicalExpr(LogicalExpr.AND, ae, ee); : }

EqualityExpr ::= RelationalExpr:re
    { : RESULT = re; : } |
    EqualityExpr:ee EQ RelationalExpr:re
    { : RESULT = new EqualityExpr(Operators.EQ, ee, re); : } |
    EqualityExpr:ee NE RelationalExpr:re
    { : RESULT = new EqualityExpr(Operators.NE, ee, re); : }

RelationalExpr ::= AdditiveExpr:ae
    { : RESULT = ae; : } |
    RelationalExpr:re LT AdditiveExpr:ae
    { : RESULT = new RelationalExpr(Operators.LT, re, ae); : } |
    RelationalExpr:re GT AdditiveExpr:ae
    { : RESULT = new RelationalExpr(Operators.GT, re, ae); : } |
    RelationalExpr:re LE AdditiveExpr:ae
    { : RESULT = new RelationalExpr(Operators.LE, re, ae); : } |
    RelationalExpr:re GE AdditiveExpr:ae
    { : RESULT = new RelationalExpr(Operators.GE, re, ae); : }

AdditiveExpr ::= MultiplicativeExpr:me
    { : RESULT = me; : } |
    AdditiveExpr:ae PLUS MultiplicativeExpr:me
    { : RESULT = new BinOpExpr(BinOpExpr.PLUS, ae, me); : } |
    AdditiveExpr:ae MINUS MultiplicativeExpr:me
\{ : RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); : \};

MultiplicativeExpr ::= UnaryExpr:ue
\{ : RESULT = ue; : \}

| MultiplicativeExpr:me MULT UnaryExpr:ue
\{ : RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); : \}

| MultiplicativeExpr:me DIV UnaryExpr:ue
\{ : RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); : \}

| MultiplicativeExpr:me MOD UnaryExpr:ue
\{ : RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); : \};

UnaryExpr ::= UnionExpr:ue
\{ : RESULT = ue; : \}

| MINUS UnaryExpr:ue
\{ : RESULT = new UnaryOpExpr(ue); : \};

UnionExpr ::= PathExpr:pe
\{ : RESULT = pe; : \}

| PathExpr:pe VBAR UnionExpr:rest
\{ : RESULT = new UnionPathExpr(pe, rest); : \};

PathExpr ::= LocationPath:lp
\{ : RESULT = lp; : \}

| FilterExpr:fexp
\{ : RESULT = fexp; : \}

| FilterExpr:fexp SLASH RelativeLocationPath:rlp
\{ : RESULT = new FilterParentPath(fexp, rlp); : \}

| FilterExpr:fexp DSLASH RelativeLocationPath:rlp
\{
  // Expand '/' into '/descendant-or-self::node()' or
  // into /descendant-or-self::*
  //
  int nodeType = DOM.NO_TYPE;
  if (rlp instanceof Step &&
      parser.isElementAxis(((Step) rlp).getAxis()))
  {
    nodeType = DTM.ELEMENT_NODE;
  }
  final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
  \}
FilterParentPath fpp = new FilterParentPath(fexp, step);
fpp = new FilterParentPath(fpp, rlp);
if (fexp instanceof KeyCall == false) {
    fpp.setDescendantAxis();
}
RESULT = fpp;
;
LocationPath ::= RelativeLocationPath:rlp
    { : RESULT = rlp; : }

| AbsoluteLocationPath:alp
    { : RESULT = alp; : };

RelativeLocationPath ::= Step:step
    { : RESULT = step; : }

| RelativeLocationPath:rlp SLASH Step:step
    { :
        if (rlp instanceof Step & (Step) rlp).isAbbreviatedDot()) {
            RESULT = step; // Remove '.' from the middle
        }
        else if (((Step) step).isAbbreviatedDot()) {
            RESULT = rlp; // Remove 'l.' from the end
        }
        else {
            RESULT =
            new ParentLocationPath((RelativeLocationPath) rlp, step);
        }
    }

| AbbreviatedRelativeLocationPath:arlp
    { : RESULT = arlp; : };

AbsoluteLocationPath ::= SLASH
    { : RESULT = new AbsoluteLocationPath(); : }

| SLASH RelativeLocationPath:rlp
    { : RESULT = new AbsoluteLocationPath(rlp); : }

| AbbreviatedAbsoluteLocationPath:aalp
    { : RESULT = aalp; : };

AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DSLASH Step:step
    { :
        final Step right = (Step) step;
        final int axis = right.getAxis();
        final int type = right.getNodeType();
    }
final Vector predicates = right.getPredicates();

if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {  
    // Compress '/child:E' into 'descendant::E' - if possible
    if (predicates == null) {
        right.setAxis(Axis.DESCENDANT);
        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
            RESULT = right;
        } else {
            // Expand 'rlp//child::E' into 'rlp/descendant::E'
            RelativeLocationPath left = (RelativeLocationPath)rlp;
            RESULT = new ParentLocationPath(left, right);
        }
    } else {
        // Expand 'rlp//child::E' into 'rlp/descendant::E'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        RESULT = new ParentLocationPath(left, right);
    }
} else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'descendant-or-self::*/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    DTM.ELEMENT_NODE, null);
    RESULT = new ParentLocationPath(left, right);
} else {
    // Expand 'rlp//step' -> 'descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(mid, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'descendant-or-self::*/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(mid, right);
    RESULT = new ParentLocationPath(left, ppl);
} else {
    // Expand 'rlp//step' -> 'descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    DTM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(mid, right);
    RESULT = new ParentLocationPath(left, ppl);
}
AbbreviatedAbsoluteLocationPath ::= DSLASH RelativeLocationPath:rlp
    {:
      //
      // Expand '//' into '/descendant-or-self::node()/ or
      // into /descendant-or-self::*/
      //
      int nodeType = DOM.NO_TYPE;
      if (rlp instanceof Step &&
          parser.isElementAxis(((Step) rlp).getAxis()))
      {
        nodeType = DTM.ELEMENT_NODE;
      }
      final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
      RESULT = new AbsoluteLocationPath(parser.insertStep(step,
        (RelativeLocationPath) rlp));
    };

Step ::= NodeTest:ntest
    {:
      if (ntest instanceof Step) {
        RESULT = (Step)ntest;
      }
      else {
        RESULT = new Step(Axis.CHILD,
          parser.findNodeType(Axis.CHILD, ntest),
          null);
      }
    };

| NodeTest:ntest Predicates:pp
    {:
      if (ntest instanceof Step) {
        Step step = (Step)ntest;
        step.addPredicates(pp);
        RESULT = (Step)ntest;
      }
      else {
        RESULT = new Step(Axis.CHILD,
          parser.findNodeType(Axis.CHILD, ntest), pp);
      }
    };

| AxisSpecifier:axis NodeTest:ntest Predicates:pp
    {: RESULT = new Step(axis.intValue(),
        parser.findNodeType(axis.intValue(), ntest), pp),
pp);

| AxisSpecifier:axis NodeTest:ntest
| : RESULT = new Step(axis.intValue(),
|   parser.findNodeType(axis.intValue(), ntest),
|   null);
| :

| AbbreviatedStep:abbrev
| : RESULT = abbrev; :

AxisSpecifier ::= AxisName:an DCOLON
| : RESULT = an; :

| ATSIGN
| : RESULT = new Integer(Axis.ATTRIBUTE); :

AxisName ::= ANCESTOR
| : RESULT = new Integer(Axis.ANCESTOR); :

| ANCESTORORSELF
| : RESULT = new Integer(Axis.ANCESTORORSELF); :

| ATTRIBUTE
| : RESULT = new Integer(Axis.ATTRIBUTE); :

| CHILD
| : RESULT = new Integer(Axis.CHILD); :

| DESCendant
| : RESULT = new Integer(Axis.DESCendant); :

| DESCendantORSelf
| : RESULT = new Integer(Axis.DESCendantORSelf); :

| FOLLOWing
| : RESULT = new Integer(Axis.FOLLOWing); :

| FOLLOWingSibling
| : RESULT = new Integer(Axis.FOLLOWingSibling); :

| NAMESPACE
| : RESULT = new Integer(Axis.NAMESPACE); :

| PARENT
| : RESULT = new Integer(Axis.PARENT); :}
<table>
<thead>
<tr>
<th>PRECEDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new Integer(Axis.PRECEDING); : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRECEDINGSIBLING</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new Integer(Axis.PRECEDINGSIBLING); : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SELF</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new Integer(Axis.SELF); : }</td>
</tr>
</tbody>
</table>

AbbreviatedStep ::= DOT |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DDOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); : }</td>
</tr>
</tbody>
</table>

FilterExpr ::= PrimaryExpr:primary |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = primary; : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PrimaryExpr:primary Predicates:pp</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = new FilterExpr(primary, pp); : }</td>
</tr>
</tbody>
</table>

PrimaryExpr ::= VariableReference:vr |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = vr; : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LPAREN Expr:ex RPAREN</th>
</tr>
</thead>
<tbody>
<tr>
<td>{ RESULT = ex; : }</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literal:string</th>
</tr>
</thead>
<tbody>
<tr>
<td>{</td>
</tr>
<tr>
<td>/*</td>
</tr>
<tr>
<td>* If the string appears to have the syntax of a QName, store</td>
</tr>
<tr>
<td>* namespace info in the literal expression. This is used for</td>
</tr>
<tr>
<td>* element-available and function-available functions, among</td>
</tr>
<tr>
<td>* others. Also, the default namespace must be ignored.</td>
</tr>
<tr>
<td>*/</td>
</tr>
<tr>
<td>String namespace = null;</td>
</tr>
<tr>
<td>final int index = string.lastIndexOf(':');</td>
</tr>
</tbody>
</table>

if (index > 0) { |
| final String prefix = string.substring(0, index); |
| namespace = parser._symbolTable.lookupNamespace(prefix); |
| } |
| RESULT = (namespace == null) ? new LiteralExpr(string) |
| : new LiteralExpr(string, namespace); |
| : |

<table>
<thead>
<tr>
<th>INT:num</th>
</tr>
</thead>
<tbody>
<tr>
<td>{</td>
</tr>
</tbody>
</table>
long value = num.longValue();
if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
    RESULT = new RealExpr(value);
} else {
    if (num.doubleValue() == -0)
        RESULT = new RealExpr(num.doubleValue());
    else if (num.intValue() == 0)
        RESULT = new IntExpr(num.intValue());
    else if (num.doubleValue() == 0.0)
        RESULT = new RealExpr(num.doubleValue());
    else
        RESULT = new IntExpr(num.intValue());
}

| REAL:num |
| FunctionCall:fc |

VariableReference ::= DOLLAR VariableName:varName
{:
    // An empty qname prefix for a variable or parameter reference
    // should map to the null namespace and not the default URI.
    SyntaxTreeNode node = parser.lookupName(varName);
    if (node != null) {
        if (node instanceof Variable) {
            RESULT = new VariableRef((Variable)node);
        } else if (node instanceof Param) {
            RESULT = new ParameterRef((Param)node);
        } else {
            RESULT = new UnresolvedRef(varName);
        }
    } else {
        RESULT = new UnresolvedRef(varName);
    }
}

if (node != null) {
    if (node instanceof Variable) {
        RESULT = new VariableRef((Variable)node);
    } else if (node instanceof Param) {
        RESULT = new ParameterRef((Param)node);
    } else {
        RESULT = new UnresolvedRef(varName);
    }
}

if (node == null) {
    RESULT = new UnresolvedRef(varName);
}

FunctionCall ::= FunctionName:fname LPAREN RPAREN
if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
    RESULT = new CurrentCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
    RESULT = new BooleanExpr(true);
}
else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
    RESULT = new BooleanExpr(false);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
    RESULT = new PositionCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
    RESULT = new LastCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN |
| : if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) { |
| RESULT = new ConcatCall(fname, argl); |
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
    parser.setMultiDocument(true);
    RESULT = new DocumentCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
    RESULT = new BooleanCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
    parser.setHasIdCall(true);
}

else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
    RESULT = new CeilingCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) { 
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) { 
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) { 
    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) { 
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) { 
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) { 
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) { 
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Variables.TRANSLET_URI, "xslt", "cast").equals(fname)) { 
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
};

NonemptyArgumentList ::= Argument:arg
    {: 
        Vector temp = new Vector();
        temp.addElement(arg);
        RESULT = temp;
    :}
    | Argument:arg COMMA NonemptyArgumentList:argl
    {: argl.insertElementAt(arg, 0); RESULT = argl; :};

FunctionName ::= QName:fname
    {: 
        RESULT = fname;
    :};
VariableName ::= QName:vname
   {:
      RESULT = vname;
   :};

Argument ::= Expr:ex
   {:
      RESULT = ex; :
   :};

NodeTest ::= NameTest:nt
   {:
      RESULT = nt; :
   }

   | NODE
      {:
         RESULT = new Integer(NodeTest.ANODE); :
      }

   | TEXT
      {:
         RESULT = new Integer(NodeTest.TEXT); :
      }

   | COMMENT
      {:
         RESULT = new Integer(NodeTest.COMMENT); :
      }

   | PIPARAM LPAREN Literal:l RPAREN
      {:
         QName name = parser.getQNameIgnoreDefaultNs("name");
         Expression exp = new EqualityExpr(Operators.EQ,
            new NameCall(name),
            new LiteralExpr(l));
         Vector predicates = new Vector();
         predicates.addElement(new Predicate(exp));
         RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
      :
   }

   | PI
      {:
         RESULT = new Integer(NodeTest.PI); :
      }

NameTest ::= STAR
   {:
      RESULT = null; :
   }

   | QName:qn
      {:
         RESULT = qn; :
      }

QName ::= QNAME:qname
   {:
      RESULT = parser.getQNameIgnoreDefaultNs(qname); :
   }

| DIV
   {:
      RESULT = parser.getQNameIgnoreDefaultNs("div"); :
   }

| MOD
{ Result = parser.getNameIgnoreDefaultNs("mod"); }

| KEY | { Result = parser.getNameIgnoreDefaultNs("key"); } |

| ANCESTOR | { Result = parser.getNameIgnoreDefaultNs("child"); } |

| ANCESTORORSELF | { Result = parser.getNameIgnoreDefaultNs("ancestor-or-self"); } |

| ATTRIBUTE | { Result = parser.getNameIgnoreDefaultNs("attribute"); } |

| CHILD | { Result = parser.getNameIgnoreDefaultNs("child"); } |

| DESCENDANT | { Result = parser.getNameIgnoreDefaultNs("descendant"); } |

| DESCENDANTORSELF | { Result = parser.getNameIgnoreDefaultNs("descendant-or-self"); } |

| FOLLOWING | { Result = parser.getNameIgnoreDefaultNs("following"); } |

| FOLLOWINGSIBLING | { Result = parser.getNameIgnoreDefaultNs("following-sibling"); } |

| NAMESPACE | { Result = parser.getNameIgnoreDefaultNs("namespace"); } |

| PARENT | { Result = parser.getNameIgnoreDefaultNs("parent"); } |

| PRECEDING | { Result = parser.getNameIgnoreDefaultNs("preceding"); } |

| PRECEDINGSIBLING | { Result = parser.getNameIgnoreDefaultNs("preceding-sibling"); } |

| SELF | { Result = parser.getNameIgnoreDefaultNs("self"); } |

| ID | { Result = parser.getNameIgnoreDefaultNs("id"); } |

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 */

// is found, then throw a special exception in order to terminate

*/

Found in path(s):
* /opt/ cola/ permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/ org/apache/xalan/xslt/compiler/xpath.cup

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Found in path(s):
* /opt/ cola/ permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/ org/apache/xalan/processor/TransformerFactoryImpl.java

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*/
/**
 * Execute the proprietary document-location() function, which returns
 * a node set of documents.
 * @xsl.usage advanced
 */

Found in path(s):
  * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xpath/functions/FuncDoclocation.java
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*/
/*
 * $Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas $
 */
/*
 * @author Jacek Ambroziak
 * @author Santiago Pericas-Geertsen
package org.apache.xalan.xslt.compiler;

import java_cup.runtime.Symbol;

%%
cup
%unicode
%class XPathLexer
%yyeof
%
{
    int last;

    void initialize() {
        last = -1;
    }  

    static boolean isWhitespace(int c) {
        return (c == ' ' || c == '	' || c == '' || c == '
'  || c == '');
    }

    /**
     * If symbol is not followed by '::' or '(', then treat it as a
     * name instead of an axis or function (Jira-1912).
     */
    Symbol disambiguateAxisOrFunction(int ss) throws Exception {
        // Peek in the input buffer without changing the internal state
        int index = yy_buffer_index;

        // Skip whitespace
        while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
            index++;
        }

        // If end of buffer, can't disambiguate ;(
        if (index >= yy_buffer_read) {
            // Can't disambiguate, so return as symbol
            return new Symbol(ss);
        }  

        // Return symbol if next token is '//' or '('
        return (yy_buffer[index] == '/' && yy_buffer[index+1] == '/' ||
                yy_buffer[index] == '(') ?
                newSymbol(ss) : newSymbol(sym.QNAME, yytext());
    }  
}
Symbol disambiguateOperator(int ss) throws Exception {
    switch (last) {
    case -1:    // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:
        case sym.AND:
        case sym.OR:
        case sym.MOD:
        case sym.DIV:
        case sym.MULT:
        case sym.SLASH:
        case sym.DSLASH:
        case sym.VBAR:
        case sym.PLUS:
        case sym.MINUS:
        case sym.EQ:
        case sym.NE:
        case sym.LT:
        case sym.LE:
        case sym.GT:
        case sym.GE:
            return newSymbol(sym.QNAME, yytext());
    }
    return newSymbol(ss);
}

Symbol disambiguateStar() throws Exception {
    switch (last) {
    case -1:    // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:
        return newSymbol(sym.QNAME, yytext());
    }
}
case sym.AND:
case sym.OR:
case sym.MOD:
case sym.DIV:
case sym.MULT:
case sym.SLASH:
case sym.DSLSH:
case sym.VBAR:
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LT:
case sym.LE:
case sym.GT:
case sym.GE:
    return newSymbol(sym.STAR);
}
return newSymbol(sym.MUL);
}

Symbol newSymbol(int ss) {
    last = ss;
    return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;
    return new Symbol(ss, value);
}

%}

%eofval{
    return newSymbol(sym.EOF);
}%eofval

%yylexthrow{
    Exception
Letter={BaseChar}|{Ideographic}

BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00FF\u0100-\u0131\u0134-
\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F4-\u01F5\u01FA-\u0217\u0250-
\u02A8\u02BB-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-
\u03D6\u03D9\u03DC\u03DE\u03F3\u0401-\u040C\u040E-\u04F5\u04F8-\u04F9\u0531-
\u0556\u0559\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F1\u090A\u0910-\u0919\u091B-
\u091D\u091F\u0921-\u0923\u0925-\u0927\u0929-\u092B\u092D-\u092F\u0931-
\u0933\u0935-\u0937\u0939\u093B-\u093D\u093F-\u0941-\u0943\u0945-
\u0951-\u0954\u0956-\u0958\u095A-\u095C\u0962-\u0964\u0966-\u0968\u096A-
\u096C\u096E\u0970-\u0972\u0974-\u0976\u0978-\u097A-\u097C-\u097E-
\u0980-\u0982\u0984-\u0986\u0988-\u098A-\u098C-\u098E-\u0990-\u0992-\u0994-
\u0996-\u0998-\u099A-\u099C-\u099E-\u09A0-\u09A2-\u09A4-\u09A6-\u09A8-
\u09AA-\u09AC-\u09AD-\u09AE-\u09B0-\u09B2-\u09B4-\u09B6-\u09B8-\u09B9-
\u09BD-\u09C1-\u09C3-\u09C5-\u09C7-\u09C9-\u09CB-\u09CD-\u09CE-\u09D0-
\u09D2-\u09D4-\u09D6-\u09D8-\u09DA-\u09DB-\u09DC-\u09DD-\u09DF-
\u09E0-\u09E2-\u09E4-\u09E6-\u09E8-\u09EA-\u09EB-\u09EC-\u09F0-\u09F2-
\u09F4-\u09F6-\u09F8-\u09F9-\u09FC-\u09FD-\u09FE-\u09FF]

Ideographic=[\u4E00-\u9FA5\u3007\u3021-\u3029]

Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u0969\u096F\u0970-\u0973\u0975-
\u0977\u0979-\u097B\u097D-\u097F\u0980-\u0982\u0984-\u0986\u0988-
\u098A-\u098C-\u098E-\u0990-\u0992-\u0994-\u0996-\u0998-\u099A-
\u099C-\u099E-\u09A0-\u09A2-\u09A4-\u09A6-\u09A8-\u09AA-\u09AC-
\u09AD-\u09AE-\u09B0-\u09B2-\u09B4-\u09B6-\u09B8-\u09B9-
\u09BD-\u09C1-\u09C3-\u09C5-\u09C7-\u09C9-\u09CB-\u09CD-\u09CE-
\u09F0-\u09F2-\u09F4-\u09F6-\u09F8-\u09F9-\u09FC-\u09FD-\u09FE-
\u09FF]

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Extender=[u00B7u02D0u02D1u0387u0640u0E46u0EC6u3005u3031-u3035u309D-u309E-u30FC-u30FE]

NCName=((Letter)]"-"[(NCNameStartChar)][NCNameChar]*

NCNameChar=[Letter][Digit]|[-]|[(CombiningChar)][Extender][NCNameChar]|u00B7 |u0300- 
|u036F | [u203F-u2040] | [u0130-u0136]

NCNameStartChar=[u0041-u005A\u0061-u007A\u00C0-
|u00C6\u00D8-
|u02FF\u0370-
|u037F\u037D\uFFFD]|u005F | {HighSurrogate} | {LowSurrogate}

HighSurrogate=[uD800-uDBFF]

LowSurrogate=[uDC00-uDFFF]

```java
"*"                      { return disambiguateStar(); }
"/"                      { return newSymbol(sym.SLASH); }
"+"                      { return newSymbol(sym.PLUS); }
"-"                      { return newSymbol(sym.MINUS); }
"div"                    { return disambiguateOperator(sym.DIV); }
"mod"                    { return disambiguateOperator(sym.MOD); }
"::"                     { return newSymbol(sym.DCOLON); }
","                      { return newSymbol(sym.COMMA); }
"@"                      { return newSymbol(sym.ATSIGN); }
".."                     { return newSymbol(sym.DDOT); }
"|"                      { return newSymbol(sym.VBAR); }
"$"                      { return newSymbol(sym.DOLLAR); }
"//"                     { return newSymbol(sym.DSLASH); }
"="                      { return newSymbol(sym.EQ); }
"!="                     { return newSymbol(sym.NE); }
"<"                      { return newSymbol(sym.LT); }
">"                      { return newSymbol(sym.GT); }
"<="                     { return newSymbol(sym.LE); }
">="                     { return newSymbol(sym.GE); }
"id"                     { return disambiguateAxisOrFunction(sym.ID); }
"key"                    { return disambiguateAxisOrFunction(sym.KEY); }
"text()"                 { return newSymbol(sym.TEXT); }
"text"+[ \n\r\t]+"()"        { return newSymbol(sym.TEXT); }
"node()"                 { return newSymbol(sym.NODE); }
"node"+[ \n\r\t]+"()"        { return newSymbol(sym.NODE); }
"comment()"              { return newSymbol(sym.COMMENT); }
"comment"+[ \n\r\t]+"()"        { return newSymbol(sym.COMMENT); }
"processing-instruction" { return disambiguateAxisOrFunction(sym.PIPARAM); }
```
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*/
/* $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $ */

package org.apache.xalan.processor;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
 * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
 * @xsl.usage general
 */

public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */

public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */

public static final String PRODUCT = "Xalan";

/**
 * Implementation Language.
 */

public static final String LANGUAGE = "Java";

/**
 * Major version number.
 */
* Version number. This changes only when there is a
* significant, externally apparent enhancement from
* the previous release. 'n' represents the n'th
* version.
* 
* Clients should carefully consider the implications
* of new versions as external interfaces and behaviour
* may have changed.
*/
public static final int VERSION = @version.VERSION@;
/**
* Release Number.
* Release number. This changes when:
* - a new set of functionality is to be added, eg,
*   implementation of a new W3C specification.
* - API or behaviour change.
* - its designated as a reference release.
*/
public static final int RELEASE = @version.RELEASE@;
/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/
public static final int MAINTENANCE = @version.MINOR@;
/**
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development drop
* of a new release.
* 
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
* 
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
public static final int DEVELOPMENT = 0;

/**
 * Version String like <CODE>"<B>Xalan</B> <B>Language</B>
 * v.r[.dd| <B>D</B>nn]"</CODE>.<P>
 * Semantics of the version string are identical to the Xerces project.</P>
 */

public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" 
+VERSION+" "+RELEASE+" 
+(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT) : (""+MAINTENANCE));

}
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 */

// Proprietary, built in functions
/** current function string (Proprietary). */

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/Keywords.java

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/processor/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/KeyIndex.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Util.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Util.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/templates/AVTPartXPath.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xml/serializer/ExtendedLexicalHandler.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/XPathVisitable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/templates/WhiteSpaceInfo.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/trace/EndSelectionEvent.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/functions/FuncLang.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/trax/DOM2SAX.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xml/utils/res/XResources_ka.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/serializer/SerializerMessages_de.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/objects/XString.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_de.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/axes/DescendantIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/objects/XString.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_de.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/axes/DescendantIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/processor/ProcessorGlobalVariableDecl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/objects/XString.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_de.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/axes/DescendantIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_zh_TW.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_sv.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/LongArrayWrapper.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemPI.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemCopy.java
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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

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functions (ten lines or less in length), then the use of the object
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1.1453 pam 1.1.8 23.el7

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```

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```
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**1.1454 alpine-baselayout 3.2.0-r3**

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Version 2, June 1991

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<signature of Ty Coon>, 1 April 1989
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1.1455 zlib 1.2.8

1.1455.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

1.1456 icu 63

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

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

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

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

SO = so
```

Open Source Used In Cisco Auto Inline Retuner 2.1.0 17575
## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

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

%.o: $(srchdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

%.o: $(srchdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

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

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

## Versioned libraries rules

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

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

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bs symbolic

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

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

## End BSD-specific setup
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1.1473 libx11 1.6.2-3+deb8u2

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1.1474 go-flags v1.4.0

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1.1475 reflections 0.9.11

1.1476 jar-dependencies 0.4.0

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* /opt/ws_local/PERMITS_SQL/1068412370_1594398078.24/0/spring-boot-actuator-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MetricsProperties.java
* /opt/ws_local/PERMITS_SQL/1068412370_1594398078.24/0/spring-boot-actuator-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/reactive/WebFluxMetricsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068412370_1594398078.24/0/spring-boot-actuator-autoconfigure-2-2-6-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/servlet/WebMvcMetricsAutoConfiguration.java

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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
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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.
1.1494 logstash-output-elastic_app_search
1.0.0

1.1494.1 Available under license:

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ASN.1 library for Python

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Abstract Syntax Notation One (ASN.1) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.org/project/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <https://news.ycombinator.com/item?id=8871453> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_ or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human
Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

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Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

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Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

-------------
Use case
--------

Download & Install
------------------

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

License
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The PyASN1 software is distributed under 2-clause BSD License.

Getting help
------------

Please, file your issues <https://github.com/etingof/pyasn1/issues>~

Books on ASN.1
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The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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ASN.1 library for Python
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This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features
-------

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was
designed long ago by the wise Ancients. Back then, they did not
have the luxury of wasting bits. That is why ASN.1 is designed
to serialise data structures of unbounded complexity into
something compact and efficient when it comes to processing
the data.

That probably explains why many network protocols and file formats
still rely on the 30+ years old technology. Including a number of
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
by Olivier Dubuisson is one of those high quality books freely
available on the Internet.

The pyasn1 package is designed to help Python programmers tackling
network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather
complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures.
For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
  id        INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType('room', Integer().subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        ),
        DefaultedNamedType('house', Integer(0).subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        )
    )
```
It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>> record == received_record
True
>>> received_record.update(room=123)
```
The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
from pyasn1.codec.native.encoder import encode
encode(record)
{'id': 123, 'room': 321, 'house': 0}
```python
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
from pyasn1.codec.native.decoder import decode
record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
str(record)
Record:
id=123
room=321
```python
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).
You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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1.1506 azure-eventhubs-eph 2.4.0

1.1507 pip 8.1.2
1.1507.1 Available under license :
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1.1508 java-support 7.3.0

1.1509 swagger-annotations 1.5.20
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* /opt/cola/permits/1177939701_1625570671.31/0/swagger-annotations-1-5-20-sources-1-jar/io/swagger/annotations/Extension.java
* /opt/cola/permits/1177939701_1625570671.31/0/swagger-annotations-1-5-20-sources-1-jar/io/swagger/annotations/ExampleProperty.java
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* /opt/cola/permits/1177939701_1625570671.31/0/swagger-annotations-1-5-20-sources-1-
1.1510 opensaml-storage-api 3.3.0

1.1511 zstd 1.3.8+dfsg-3

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* /opt/cola/permits/1141013433_1614921809.3/0/slf4j-simple-1-7-23-sources-1-
  jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1141013433_1614921809.3/0/slf4j-simple-1-7-23-sources-1-
  jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1141013433_1614921809.3/0/slf4j-simple-1-7-23-sources-1-
  jar/org/slf4j/impl/SimpleLoggerFactory.java
* /opt/cola/permits/1141013433_1614921809.3/0/slf4j-simple-1-7-23-sources-1-
  jar/org/slf4j/impl/StaticMDCBinder.java

1.1513 diffutils 3.3-4.el7

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1.1515 libksba 1.3.5 2
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1.1516 six 1.12.0

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1.1517 liblog-message-simple-perl 0.10-2

1.1518 jackson-databind 2.7.3
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1.1519 libtext-iconv-perl 1.7-5+b2

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1.1520 lz4-java 1.4.1

1.1521 cpp 8.4.0 1ubuntu1~18.04
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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:

```
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```

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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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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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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!

1.1538 logstash-mixin-rabbitmq_connection
5.0.2
1.1538.1 Available under license :
No license file was found, but licenses were detected in source scan.

s.licenses = ['Apache License (2.0)']
s.add_runtime_dependency 'march_hare', ['-> 3.0'] #(MIT license)

Found in path(s):
* /opt/cola/permits/1186251380_1628079594.55/0/logstash-plugins-logstash-mixin-rabbitmq-connection-v5-0-2-0-
g5c92428-1-tar-gz/logstash-plugins-logstash-mixin-rabbitmq_connection-5c92428/logstash-mixin-
rabbitmq_connection.gemspec
1.1539 antlr-runtime 4.5.1 1

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 */

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*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/InterpreterRuleContext.java
*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreeMatch.java
*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ParserInterpreter.java
*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/RuleTagToken.java
*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/TextChunk.java
*/opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/ATNSerializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/PlusLoopbackState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/TokenStream.java
Open Source Used In Cisco Auto Inline Retuner 2.1.0 18063

* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/BufferedTokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/tree/ErrorNode.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/LoopEndState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/StarBlockStartState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/StarBlockStopState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/EmptyPredictionContext.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/ATNConfig.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/RangeTransition.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/misc/MurmurHash.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/misc/IntervalSet.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/misc/Pair.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/dfa/DFAShape.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/CharStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/misc/Utils.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/RecognitionException.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources.jar/org/antlr/v4/runtime/atn/RuleStopState.java
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* /opt/ws_local/PERMITS_SQL/1072987844_1595248238.570/spring-security-web-5.3.3-release-sources-

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  jar/org/springframework/security/web/util/matcher/RequestHeaderRequestMatcher.java

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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/XMLTokener.java
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/*
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Found in path(s):
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/JSONWriter.java
* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/JSONStringer.java

1.1550 httpcomponents-core 4.4.4
1.1550.1 Available under license :

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1.1555 transport-nio-client 7.2.0

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1.1557 lru-redux 1.1.0

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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.

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user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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# frozen_string_literal: true
require 'rubygems/text'
class Gem::Licenses
  extend Gem::Text

  NONSTANDARD = 'Nonstandard'.freeze

  # Software Package Data Exchange (SPDX) standard open-source software
  # license identifiers
  LICENSE_IDENTIFIERS = %w(
    0BSD
    AAL
    ADSL
    AFL-1.1
    AFL-1.2
    AFL-2.0
  )
Condor-1.1
Crossword
CrystalStacker
Cube
D-FSL-1.0
DOC
DSDP
Dotseqn
ECL-1.0
ECL-2.0
EFL-1.0
EFL-2.0
EPL-1.0
EUDatagrid
EUPL-1.0
EUPL-1.1
Entessa
ErlPL-1.1
Eurosym
FSFAP
FSFUL
FSFULLR
FTL
Fair
Frameworkx-1.0
FreeImage
GFDL-1.1
GFDL-1.2
GFDL-1.3
GL2PS
GPL-1.0
GPL-1.0+
GPL-2.0
GPL-2.0+
GPL-2.0-with-GCC-exception
GPL-2.0-with-autoconf-exception
GPL-2.0-with-bison-exception
GPL-2.0-with-classpath-exception
GPL-2.0-with-font-exception
GPL-3.0
GPL-3.0+
GPL-3.0-with-GCC-exception
GPL-3.0-with-autoconf-exception
Giftware
Glide
Glulxe
HPND
HaskellReport
IBM-pibs
ICU
IIG
IPA
IPL-1.0
ISC
ImageMagick
Imlib2
Info-ZIP
Intel
Intel-ACPI
Interbase-1.0
JSON
JasPer-2.0
LAL-1.2
LAL-1.3
LGPL-2.0
LGPL-2.0+
LGPL-2.1
LGPL-2.1+
LGPL-3.0
LGPL-3.0+
LGPLLR
LPL-1.0
LPL-1.02
LPPL-1.0
LPPL-1.1
LPPL-1.2
LPPL-1.3a
LPPL-1.3c
Latex2e
Leptonica
LiLiQ-P-1.1
LiLiQ-R-1.1
LiLiQ-Rplus-1.1
Libpng
MIT
MIT-CMU
MIT-advertising
MIT-enna
MIT-feh
MITNFA
MPL-1.0
MPL-1.1
MPL-2.0
MPL-2.0-no-copyleft-exception
MS-PL
MS-RL
MTLL
MakeIndex
MiroS
Motosoto
Multics
Mup
NASA-1.3
NBPL-1.0
NCSA
NGPL
NLOD-1.0
NLPL
NOSL
NPL-1.0
NPL-1.1
NPOS-3.0
NRL
NTP
Naumen
Net-SNMP
NetCDF
Newsletr
Nokia
Noweb
Nunit
OCCT-PL
OCLC-2.0
ODbL-1.0
OFL-1.0
OFL-1.1
OGTSL
OLDAP-1.1
OLDAP-1.2
OLDAP-1.3
OLDAP-1.4
OLDAP-2.0
OLDAP-2.0.1
OLDAP-2.1
OLDAP-2.2
OLDAP-2.2.1
OLDAP-2.2.2
OLDAP-2.3
OLDAP-2.4
OLDAP-2.5
OLDAP-2.6
OLDAP-2.7
OLDAP-2.8
OML
TORQUE-1.1
TOSL
UPL-1.0
Unicode-DFS-2015
Unicode-DFS-2016
Unicode-TOU
Unlicense
VOSTROM
VSL-1.0
Vim
W3C
W3C-19980720
W3C-20150513
WTFPL
WXwindows
Watcom-1.0
Wsuipa
X11
XFree86-1.1
XSkat
Xerox
Xnet
YPL-1.0
YPL-1.1
ZPL-1.1
ZPL-2.0
ZPL-2.1
Zed
Zend-2.0
Zimbra-1.3
Zimbra-1.4
Zlib
bzip2-1.0.5
bzip2-1.0.6
curl
diffmark
dvipdfm
eCos-2.0
eGenix
gSOAP-1.3b
gnuplot
iMatix
libtiff
mpich2
psfrag
psutils
xinetd
xpp
zlib-acknowledgement
).
.freeze

# exception identifiers
EXCEPTION_IDENTIFIERS = %w(389-exception
Autoconf-exception-2.0
Autoconf-exception-3.0
Bison-exception-2.2
Bootloader-exception
CLISP-exception-2.0
Classpath-exception-2.0
DigiRule-FOSS-exception
FLTK-exception
Fawkes-Runtime-exception
Font-exception-2.0
GCC-exception-2.0
GCC-exception-3.1
LZMA-exception
Libtool-exception
Linux-syscall-note
Nokia-Qt-exception-1.1
OCCT-exception-1.0
Qwt-exception-1.0
WxWindows-exception-3.1
eCos-exception-2.0
freertos-exception-2.0
gnu-javamail-exception
i2p-gpl-java-exception
mif-exception
openvpn-openssl-exception
u-boot-exception-2.0
).
.freeze

REGEXP = %r{\A
(#{Regexp.union(LICENSE_IDENTIFIERS)}
\+?$\s WITH \s #{Regexp.union(EXCEPTION_IDENTIFIERS)}?$
\|#\{NONSTANDARD\}
)
\Z
}"ox.freeze

def self.match?(license)
!REGEXP.match(license).nil?
end
def self.suggestions(license)
    by_distance = LICENSE_IDENTIFIERS.group_by do |identifier|
        levenshtein_distance(identifier, license)
    end
    lowest = by_distance.keys.min
    return unless lowest < license.size
    by_distance[lowest]
end

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/config/JsonIndex.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/Protocol.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/config/SignerConfig.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/config/Builder.java

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/annotation/Beta.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/annotation/NotThreadSafe.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/annotation/Immutable.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/annotation/SdkTestInternalApi.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
jar/com/amazonaws/annotation/ThreadSafe.java
*/
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
jar/com/amazonaws/annotation/SdkInternalApi.java
*/
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
jar/com/amazonaws/annotation/SdkProtectedApi.java

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jar/com/amazonaws/partitions/model/Partitions.java

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  jar/com/amazonaws/internal/ResettableInputStream.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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  jar/com/amazonaws/internal/ConnectionUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/internal/EC2CredentialsUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/auth/EC2CredentialsFetcher.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsRetryParameters.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/ContainerCredentialsRetryParameters.java
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  jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java
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  jar/com/amazonaws/partitions/PartitionsLoader.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/partitions/model/PartitionRegionImpl.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/partitions/model/RegionMetadataProvider.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/partitions/model/Partition.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/Throwables.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/AWS4Signer.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/Codec.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/AbortedException.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/EC2MetadataUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/CodecUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/Base32Codec.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/Base16Codec.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/ReadLimitInfo.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/http/JsonErrorMessageParser.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/ValidationUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/internal/DelegateInputStream.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/util/NameValuePair.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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 * Interface for providing AWS credentials. Implementations are free to use any
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* integrating with existing key management systems.
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* Interface for providing AWS region information. Implementations are free to use any strategy for
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*/

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  jar/com/amazonaws/http/conn/ssl/TLSProtocol.java
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  jar/com/amazonaws/http/conn/ssl/SdkTLSSocketFactory.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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jar/com/amazonaws/event/SyncProgressListener.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/auth/internal/SignerConstants.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/internal/FIFOCache.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/internal/SdkSocket.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/internal/DelegateSSLSocket.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/event/request/Progress.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/auth/internal/AWS4SignerRequestParams.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/event/request/ProgressSupport.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/auth/profile/package-info.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/auth/profile/internal/securitytoken/RoleInfo.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/util/LengthCheckInputStream.java

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/auth/SignatureVersion.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/aws/AmazonClientException.java
jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/http/HttpMethodName.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/util/XmlUtils.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/transform/VoidUnmarshaller.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/transform/Unmarshaller.java

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/SdkCborGenerator.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/StructuredJsonGenerator.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredCborFactory.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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  jar/com/amazonaws/util/StringMapBuilder.java
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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
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  jar/com/amazonaws/protocol/json/IonParser.java
* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1-
  jar/com/amazonaws/transform/SimpleTypeIonUnmarshallers.java

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* /opt/cola/permits/1136061426_1613670290.05/0/aws-java-sdk-core-1-11-415-sources-1.jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java

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* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/framework/TrueMethodMatcher.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/framework/ProxyCreatorSupport.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceInterceptor.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/scope/ ScopedProxyFactoryBean.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/support/IntroductionInfoSupport.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/support/StaticMethodMatcherPointcutAdvisor.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
  jar/org/springframework/aop/support/RegexpMethodPointcutAdvisor.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
jar/org/springframework/aop/aspectj/RuntimeTestWalker.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/target/dynamic/AbstractRefreshableTargetSource.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/interceptor/SimpleAsyncUncaughtExceptionHandler.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/AopContext.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/aspectj/DeclareParentsAdvisor.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/ProxyFactoryBean.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/config/ConfigBeanDefinitionParser.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/target/AbstractPrototypeBasedTargetSource.java
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* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
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* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/ProxyProcessorSupport.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/config/AopUtils.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/framework/autoproxy/AbstractBeanFactoryAwareAdvisingPostProcessor.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/aop/support/RootClassFilter.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/framework/autoproxy/AbstractBeanFactoryBasedTargetSource.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/framework/config/AopNamespaceUtils.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-jar/org/springframework/framework/autoproxy/target/AbstractBeanFactoryBasedTargetSourceCreator.java
* /opt/cola/permits/1136221013_1613710176.63/0/spring-aop-5-1-8-release-sources-2-
1.1567 commons-configuratin 1.10

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is thread-safe, and maintainers can see immediately whether thread-safety guarantees must be preserved. Annotations are also useful to a third constituency: tools. Static code-analysis tools may be able to verify that the code complies with the contract indicated by the annotation, such as verifying that a class annotated with `<code>@Immutable</code>` actually is immutable.

</p>

<h2>Field and method annotations</h2>

<p>The class-level annotations above are part of the public documentation for the class. Other aspects of a class's thread-safety strategy are entirely for maintainers and are not part of its public documentation.

</p>

<p>Classes that use locking should document which state variables are guarded with which locks, and which locks are used to guard those variables. A common source of inadvertent non-thread-safety is when a thread-safe class consistently uses locking to guard its state, but is later modified to add either new state variables that are not adequately guarded by locking, or new methods that do not use locking properly to guard the existing state variables. Documenting which variables are guarded by which locks can help prevent both types of omissions.

</p>

<p>The `<code>@GuardedBy(lock)</code>` annotation documents that a field or method should be accessed only with a specific lock held.

</p>

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  jar/net/jcip/annotations/ThreadSafe.java
* /opt/cola/permits/1135913176_1613629761.33/0/jcip-annotations-1-0-sources-2-
  jar/net/jcip/annotations/GuardedBy.java
* /opt/cola/permits/1135913176_1613629761.33/0/jcip-annotations-1-0-sources-2-
  jar/net/jcip/annotations/Immutable.java
* /opt/cola/permits/1135913176_1613629761.33/0/jcip-annotations-1-0-sources-2-
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1.1569 metrics 3.2.2
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jar/com/tomtom/speedtools/metrics/MetricsCollector.java
* /opt/cola/permits/1145440590_1616152669.32/0/metrics-3-2-2-sources-3-
jar/com/tomtom/speedtools/metrics/MultiMetricsData.java
* /opt/cola/permits/1145440590_1616152669.32/0/metrics-3-2-2-sources-3-
jar/com/tomtom/speedtools/metrics/MetricsTimeSlot.java
* /opt/cola/permits/1145440590_1616152669.32/0/metrics-3-2-2-sources-3-
jar/com/tomtom/speedtools/metrics/MetricsData.java
* /opt/cola/permits/1145440590_1616152669.32/0/metrics-3-2-2-sources-3-
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1.1570 libxml 2.9.1
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1.1571 servlet-api 4.0.0

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* /opt/cola/permits/1150951680_1617727530.68/0/servlet-api-4-0-0-sources-3-jar/org/xipki/http/servlet/package-info.java
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1.1572 javapackages 1.0.0

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1.1575 method-source 0.9.2
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* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/x_user_defined.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/tests.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py

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    from setuptools import setup, find_packages
    import io
    import os
    import re

    VERSION = re.search("VERSION = '([^']+)'", io.open(
        os.path.join(os.path.dirname(__file__), 'webencodings', '__file__'),
        encoding='utf-8'  #.__init__.py',
    ).read()).strip()).group(1)

    LONG_DESCRIPTION = io.open(
        os.path.join(os.path.dirname(__file__), 'README.rst'),
        encoding='utf-8'  #.rst'
    ).read()

    setup(
        name='webencodings',
        version=VERSION,
url='https://github.com/SimonSapin/python-webencodings',
license='BSD',
author='Simon Sapin',
author_email='simon.sapin@exyr.org',
maintainer='Geoffrey Sneddon',
maintainer_email='me@gsnedders.com',
description='Character encoding aliases for legacy web content',
long_description=LONG_DESCRIPTION,
classifiers=[
    'Development Status :: 4 - Beta',
    'Intended Audience :: Developers',
    'License :: OSI Approved :: BSD License',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Programming Language :: Python :: 3.6',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/setup.py

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**

webencodings.mklabels
~~~~~~~~~~~~~~

Regenerate the webencodings.labels module.

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**

import json
try:
    from urllib import urlopen
except ImportError:
from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ["\
    ==
    
    webencodings.labels
    ~~~~~~~~~~~~~~~~~~~~

    Map encoding labels to their name.

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    ==
    
    # XXX Do not edit!
    # This file is automatically generated by mklabels.py

    LABELS = {
        "",
        labels = [ 
            (repr(assert_lower(label)).lstrip('u'),
             repr(encoding['name']).lstrip('u'))
             for category in json.loads(urlopen(url).read().decode('ascii'))
             for encoding in category['encodings']
             for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        '%s:%s %s,%s
        for category in json.loads(urlopen(url).read().decode('ascii'))
        for encoding in category['encodings']
        for label in encoding['labels']]
    max_len = max(len(label) for label, name in labels)
    parts.extend(
        ' ' * (max_len - len(label)) for label, name in labels)
    parts.append('})
    return ''.join(parts)

    if __name__ == '__main__':
        print(generate('http://encoding.spec.whatwg.org/encodings.json'))

    Found in path(s):
    * /opt/cola/permits/11108194957_1606854649.94/0/webencodings-0.5.1-1.tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Geoffrey Sneddon
Author-email: me@gsnedders.com
License: BSD
Description: python-webencodings

===================
This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker:
  https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
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* Python 2.6+ and 3.3+

In order to be compatible with legacy web content when interpreting something like ``Content-Type: text/html; charset=latin1``, tools need to use a particular set of aliases for encoding labels as well as some overriding rules.

For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence over any other encoding declaration.

The Encoding standard defines all such details so that implementations do not have to reverse-engineer each other.

This module has encoding labels and BOM detection, but the actual implementation for encoders and decoders is Pythons.

Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
This is a Python implementation of the `WHATWG Encoding standard <http://encoding.spec.whatwg.org/>`_.

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1.1578 logstash-output-tcp 6.0.0

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1.1580 json 1.8.6
1.1580.1 Available under license:
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/* Portions of the Selector class are derived from Jack Slocum’s DomQuery, * part of YUI-Ext version 0.40, distributed under the terms of an MIT-style * license. Please see http://www.yui-ext.com/ for more information. */

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8.tar-gz/flori-json-7f4cfd8/data/prototype.js
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* Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt
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2017-01-13 (1.8.6)
* Be compatible with ancient ruby 1.8 (maybe?)

2015-09-11 (1.8.5)
* Be compatible with ruby 2.4.0
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation.
I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.
-------- (1.8.4) Skipped.

2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of JSON.dump_default_options.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing space_before accessor in generator.
* Performance on Jruby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to JSON::GenericObject to make serialize :some_attribute, JSON::GenericObject work in Rails active models for convenient SomeModel#some_attribute.foo.bar access to serialised JSON data.

2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and JSON::GenericObject. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If JSON::GenericObject is supposed to be automatically deserialised, this has to be explicitely enabled by setting
JSON::GenericObject.json_creatable = true
as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155
  provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.
2012-11-29 (1.7.6)
* Add GeneratorState#merge alias for JRuby, fix state accessor methods. Thx to
  jvshahid@github.
* Increase hash likeness of state objects.
2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.
2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues#issue/142
2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.
2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the
  extension variant in jruby 1.9 mode.
2012-04-28 (1.7.1)
* Some small fixes for building
2012-04-28 (1.7.0)
* Add JSON::GenericObject for method access to objects transmitted via JSON.
2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.
2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting
  everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo
  <tom.enebo@gmail.com>), should fix
* Fix https://github.com/flori/json/issues#issue/117
2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using
  optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda
  <bkabrda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and
developing a patch fix.
2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter
  <headius@headius.com>.
* Support object_class/array_class with duck typed hash/array.
2011-12-01 (1.6.3)
* Let JSON.load(""") return nil as well to make mysql text columns (default to
  ") work better for serialization.
2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in quirks_mode.

Open Source Used in Cisco Auto Inline Retuner 2.1.0 18473
* Make JSON.dump and JSON.load methods better cooperate with Rails’ serialize method. Just use: serialize :value, JSON
* Fix bug with time serialization concerning nanoseconds. Thanks for the patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to what Evan Phoenix <evan@phx.io> suggested in: https://github.com/flori/json/pull/103

2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.

2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.

2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem reported in https://github.com/flori/json/issues/46.
* Add :quirks_mode option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.

2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add as_json methods in json/add/core, so rails can create its json objects the new way.

2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gemspecs for json and json_pure.
* Fix bug in jruby pretty printing.
* Fix bug in object_class and array_class when inheriting from Hash or Array.

2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues/issue/54.

2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
* Output full exception message of deep_const_get to aid debugging.
* Fixed an issue with ruby 1.9 Module#const_defined? method, that was reported by Riley Goodside.

2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with to_json method definitions that only have one argument.
* Some fixes in the state objects and additional tests.

2010-08-06 (1.4.4)

2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by electronicwhisper@github. Thx!

2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of jsonPure if extensiontask is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory leak, which is fixed in this release.
* Applied 993f261cb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM being different on 32bit/64bit architectures.

2010-04-23 (1.4.0)
* Major speed improvements and building with simplified directory/file-structure.
* Extension should at least be compatible with MRI, YARV and Rubinius.

2010-04-07 (1.2.4)
* Trigger const_missing callback to make Rails' dynamic class loading work.

2010-03-11 (1.2.3)
* Added a State#[] method which returns an attribute's value in order to increase duck type compatibility to Hash.

2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible to Rubinius.

2009-11-25 (1.2.1)
* Added :symbolize_names option to Parser, which returns symbols instead of strings in object names/keys.

2009-10-01 (1.2.0)
* fast_generate now raises an exception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation

2009-08-23 (1.1.9)
* Added forgotten main doc file extra_rdoc_files.

2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
* Finally got around to avoid the rather paranoid escaping of \ characters
in the generator's output. The parsers aren't affected by this change.
Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.
2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could
cause catastrophic backtracking in one of the parser's regular expressions
in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue.
Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this
problem.
* This release also uses a less strict ruby version requirement for the
creation of the mswin32 native gem.
2009-05-10 (1.1.6)
* No changes. tested native linux gems in the last release and they don't
play well with different ruby versions other than the one the gem was built
with. This release is just to bump the version number in order to skip the
native gem on rubyforge.
2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler
  <B.Candler@pobox.com> and fixes.
2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by
  Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby
  1.9.
* Improved speed of the code path for the fast_generate method in the pure
  variant.
2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime
  handling: If the nominator and denominator of the offset were divisible by
  each other Ruby's Rational#to_s returns them as an integer not a fraction
  with '/'. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while
  remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.
2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from
  the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable
  the creation of additions by force, in order to treat json texts as data
  while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON
  object if the rails addition is enabled, which is wrong. It now outputs a
JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.
* Introduced a JSON.parse! method without depth checking for people who like danger.
* Made generate and pretty_generate methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.
* Implemented the max_nesting feature for generate methods, too.
* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.
* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by \ as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.

2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading of the binary.

2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

2007-03-24 (1.0.2)
* Ext Parser didn’t parse 0e0 correctly into 0.0: Fixed!

2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

2007-02-09 (0.4.3)

* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object "{ ... }" or array "[ ... ]" in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (\t\r
\n), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases generate and pretty_generate of unparse and pretty_unparse.
* Fixed a test case.
* Catch an Iconv::InvalidEncoding exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

2006-08-25 (0.4.2)

* Fixed a bug in handling solidi (/ characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

2006-02-06 (0.4.1)

* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

2005-09-23 (0.4.0)

* Initial Rubyforge Version

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 */

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/CHANGES

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 */

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/StringDecoder.java
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/ParserService.java
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/Generator.java
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/Parser.java
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/RuntimeInfo.java
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Julian Seward, jseward@bzip.org
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  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/Literal.java
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  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/InlineMap.java
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  */
/*
  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/LongLiteral.java
  */
/*
  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/OpLE.java
  */
/*
  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/OpEQ.java
  */
/*
  * /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  * jar/org/springframework/expression/spel/ast/OpMinus.java
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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/CodeFlow.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/common/LiteralExpression.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/SpelMessage.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/BeanResolver.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/ExpressionException.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/ExpressionState.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java
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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java

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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-
  jar/org/springframework/expression/common/TemplateParserContext.java
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  jar/org/springframework/expression/MethodExecutor.java
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* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/ws_local/PERMITS_SQL/1068412622_1594398889.89/0/spring-expression-5-2-5-release-sources-1-jar/org/springframework/expression/spel/SpelCompilerMode.java

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* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/EmptyByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/WrappedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/UnreleasableByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/FixedCompositeByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/DefaultByteBufHolder.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/ByteBufProcessor.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/ByteBufHolder.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-
  jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
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* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/AbstractPooledDerivedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/WrappedCompositeByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/PooledSlicedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/PooledDuplicatedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/AdvancedLeakAwareCompositeByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3jar/io/netty(buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
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* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-jar/io/netty/buffer/PooledByteBufAllocatorMetric.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java

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* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
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* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
* /opt/cola/permits/1177956820_1625584623.99/0/netty-buffer-4-1-48-final-sources-3-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java

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1.1586 kmod 18-3
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====================

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1.1591 openjdk-jre 11.0.11u9
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```# The Unicode Standard, Unicode Character Database, Version 10.0.0

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```
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```

```
## xwd v1.0.7

### xwd utility

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list.h, multiVis.h, wsutils.h, list.c, multiVis.c

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1.1595 netty-codec-socks 4.1.50.Final

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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/SocksAuthResponseCodec.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/SocksAuthRequestDecoder.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/SocksRequest.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/Socks4ServerDecoder.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/SocksAuthRequestDecoder.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-jar/io/netty/handler/codecs/Socks4CommandStatus.java
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ar/io/netty/handler/codec/socks/v5/AbstractSocks5Message.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
ar/io/netty/handler/codec/socks/v5/Socks5Message.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
ar/io/netty/handler/codec/socks/v4/Socks4ClientEncoder.java
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ar/io/netty/handler/codec/socks/package-info.java
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ar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
ar/io/netty/handler/codec/socks/SocksAddressType.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
ar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
ar/io/netty/handler/codec/socks/SocksCmdStatus.java
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jar/io/netty/handler/codec/http/websocket/extensions/WebSocketExtensionEncoder.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
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jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
jar/io/netty/handler/codec/http/HttpClientUpgradeHandler.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java

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  jar/io/netty/handler/codecs/HttpUtil.java
* /opt/ws_local/PERMITS_SQL/1075319334_1596106930.85/0/netty-codec-http-4-1-35-final-sources-1-
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d78775cff2bb5b6.

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

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

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"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
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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1.1607 jnr-constants 0.9.12

1.1608 commons-jxpath 1.3
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That's all there is to it!

1.1616 python-pip-epel 8.1.2-12.el7
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============================

contextlib2 is a derivative of the contextlib module distributed by the PSF
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under the PSF license (reproduced in full below). As the contextlib module
was added only in Python 2.5, the licenses for earlier Python versions are
not applicable and have not been included.

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.cni.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases that included the contextlib module.

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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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:
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 $ License

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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 */

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* /opt/cola/permits/1136061479_1613670284.23/0/spring-security-jwt-2-1-1-sources-1-jar/com/mercateo/spring/security/jwt/token/config/JWTConfig.java
* /opt/cola/permits/1136061479_1613670284.23/0/spring-security-jwt-2-1-1-sources-1-jar/com/mercateo/spring/security/jwt/token/exception/MissingSignatureException.java
* /opt/cola/permits/1136061479_1613670284.23/0/spring-security-jwt-2-1-1-sources-1-
1.1625 mujs 1.1.3

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1.1626 commons-math 3.6.1

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1.1627 glibc 2.27-3ubuntu1.3

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  jar/org/springframework/jca/cci/InvalidResultSetAccessException.java
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Version: 5.0

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Glenn Randers-Pehrson
glenrp at users.sourceforge.net
July 15, 2018

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```
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1.1633 mongodb-database-tools 100.2.1

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mgo - MongoDB driver for Go

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mgo - MongoDB driver for Go

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tomb - support for clean goroutine termination in Go.

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* Joo Duarte (jsvd)
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* Richard Pijnenburg (electrical)
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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/PropertySource.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/Configuration.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/cache/interceptor/SimpleKey.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-jar/org/springframework/scheduling/concurrent/ExecutorConfigurationSupport.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
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jar/org/springframework/context/annotation/DeferredImportSelector.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/ImportSelector.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/MBeanExportConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java
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jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java
* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
jar/org/springframework/context/annotation/ConfigurationClassParser.java
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jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
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jar/org/springframework/jmx/export/annotation/ManagedNotification.java
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/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary {@code AdminServiceFactory} API,
 * available on WebSphere 5.1 and higher.
 * 
 * <p>Exposes the {@code MBeanServer} for bean references.
 * 
 * <p>This {@code FactoryBean} is a direct alternative to {@link MBeanServerFactoryBean},

* which uses standard JMX 1.2 API to access the platform's \([@link MBeanServer]\).

* See the javadocs for WebSphere's

* And

* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/ws_local/PERMITS_SQL/1068412579_1594397372.64/0/spring-context-5-2-5-release-sources-1-
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 */

/**
 * Indicates that a component is only eligible for registration when all
 * [linkplain #value specified conditions] match.
 *
 * <p>A <em>condition</em> is any state that can be determined programmatically
 * before the bean definition is due to be registered (see [link Condition] for details).
 *
 * <p>The [code @Conditional] annotation may be used in any of the following ways:
 * <ul>
 * <li>as a type-level annotation on any class directly or indirectly annotated with
 *     [code @Component], including [link Configuration @Configuration] classes</li>
 * <li>as a meta-annotation, for the purpose of composing custom stereotype
 *     annotations</li>
 * <li>as a method-level annotation on any [link Bean @Bean] method</li>
 * </ul>
If a `@Configuration` class is marked with `@Conditional`, all of the `@Bean` methods, `@Import` annotations, and `@ComponentScan` annotations associated with that class will be subject to the conditions.

**NOTE**: Inheritance of `@Conditional` annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, `@code @Conditional` itself is not declared as `@link java.lang.annotation.Inherited @Inherited`; furthermore, any custom `<em>composed annotation</em>` that is meta-annotated with `@code @Conditional` must not be declared as `@code @Inherited`.

@author Phillip Webb
@author Sam Brannen
@since 4.0
@see Condition

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 */

/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/geo/GeoJsonPoint.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/geo/GeoJsonMultiPoint.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/geo/GeoJsonGeometryCollection.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/config/ReadPreferencePropertyEditor.java
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jar/org/springframework/data/mongodb/core/aggregation/ArithmeticOperators.java
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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/index/Index.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/CollectionCallback.java

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    */

    /**
     * Serializes the given Querydsl query to a Document query for MongoDB.
     */

    * Original implementation source {@link com.querydsl.mongodb.MongodbSerializer} by {@literal The Querydsl
    * Team} (<a href="http://www.querydsl.com/team">http://www.querydsl.com/team</a>) licensed under the Apache
    * License, Version 2.0.
    *
    * Modified to use {@link Document} instead of {@link com.mongodb.DBObject}, updated nullable types and code
    * format. Use
    * Bson specific types and add {@link QuerydslMongoOps#NO_MATCH}.
    *
    * @author laimw
    * @author Mark Paluch
    * @author Christoph Strobl
    * @author Mikhail Kaduchka
    * @since 2.1
    */

    Found in path(s):
    */opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
    jar/org/springframework/data/mongodb/repository/support/MongodbDocumentSerializer.java
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* limitations under the License.
*/
/**
* [{@code QuerydslAnyEmbeddedBuilder}] is a builder for constraints on embedded objects.
* <p>
* Original implementation source [{@link com.querydsl.mongodb.AnyEmbeddedBuilder}] by [{@literal The
Querydsl Team}]
* (<a href="http://www.querydsl.com/team">http://www.querydsl.com/team</a>) licensed under the Apache
License, Version
* 2.0.
* </p>
* * Modified for usage with [{@link QuerydslAbstractMongodbQuery}].
* */

@Author tiwe
@Author Mark Paluch
@Author Christoph Strobl
@Since 2.1
*/

Found in path(s):
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
jar/org/springframework/data/mongodb/repository/support/QuerydslAnyEmbeddedBuilder.java

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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ReactiveAggregationOperationExtensions.kt
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableUpdateOperationExtensions.kt
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableAggregationOperationExtensions.kt
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableRemoveOperationSupport.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/FluentMongoOperations.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableRemoveOperation.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ReactiveFindOperationExtensions.kt
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableFindOperationExtensions.kt
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ReactiveAggregationOperationSupport.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/ExecutableAggregationOperation.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/CodecRegistryProvider.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/core/aggregation/SortByCountOperation.java
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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/core/ReactiveMongoTemplate.java
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  jar/org/springframework/data/mongodb/core/aggregation/AggregationOperationRenderer.java
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  jar/org/springframework/data/mongodb/core/aggregation/ReplaceRootOperation.java
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  jar/org/springframework/data/mongodb/repository/query/MongoQueryExecution.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/core/index/IndexOperationsAdapter.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/query/ReactiveStringBasedMongoQuery.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/query/ReactivePartTreeMongoQuery.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/Tailable.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/query/ReactiveMongoQueryExecution.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/core/GeoCommandStatistics.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/query/CountQuery.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/repository/query/ReactiveMongoQueryExecution.java
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  jar/org/springframework/data/mongodb/repository/query/ReactivePartTreeMongoQuery.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-
  jar/org/springframework/data/mongodb/core/aggregation/LookupOperation.java
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/**
* [@code QuerydslJoinBuilder] is a builder for join constraints.
* <p>
* Original implementation source [@link com.querydsl.mongodb.JoinBuilder] by [@literal The Querydsl Team]
* (http://www.querydsl.com/team) licensed under the Apache License, Version 2.0.
* </p>
* Modified for usage with [@link QuerydslAbstractMongodbQuery].
* *
* @param <Q>
* @param <T>
* @author tiwe
* @author Mark Paluch
* @author Christoph Strobl
* @since 2.1
*/

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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1.jar/org/springframework/data/mongodb/repository/support/QuerydslJoinBuilder.java

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 */

/**
 * @code QuerydslAbstractMongodbQuery} provides a base class for general Querydsl query implementation.
 * @p>
 * Original implementation source { @link com.querydsl.mongodb.AbstractMongodbQuery} by { @literal The
 * Querydsl Team}
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 * License, Version 2.0.
 * @p>
 * Modified for usage with { @link MongodbDocumentSerializer}.  
 * @param <Q> concrete subtype
 * @author laimw
 * @author Mark Paluch
 * @author Christoph Strobl
*/
* @since 2.1
*/

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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/mapping/event/BeforeSaveEvent.java
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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/query/MongoQueryMethod.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/mapping/event/LoggingEventListener.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/config/MongoDbFactoryParser.java

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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/index/CompoundIndexDefinition.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/index/TextIndexDefinition.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/convert/LazyLoadingProxy.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/geo/Sphere.java
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* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/monitor/ServerInfo.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/support/SpringDataMongoDbQuery.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/config/StringToWriteConcernConverter.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/core/index/IndexField.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/config/MongoRepositoryConfigurationExtension.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/cdi/MongoRepositoryBean.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/repository/query/MongoEntityMetadata.java
* /opt/cola/permits/1133271977_1618429225.51/0/spring-data-mongodb-2-1-9-release-sources-1-jar/org/springframework/data/mongodb/core/WriteResultChecking.java

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
  3a0982da308228d796df35f98d787c5cfff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <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">
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  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text" select="Copyright (C) ">
      <xsl:text>Copyright (C) </xsl:text>
    </xsl:with-param>
  </xsl:call-template>
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1.1645 go-codec v1.2.6

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1.1646 pcre 8.39-9

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Written by: Philip Hazel
Email local part: ph10
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1.1647 lz4 1.7.5 3.el7

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndefCompat_POLL_H_
defineCompat_POLL_H_

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004

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#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

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

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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[However, none of that term is relevant at this point in time. All of
these restrictively licenced software components which he talks about
have been removed from OpenSSH, i.e.,]
- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

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* @version 3.0 (December 2000)
* Optimised ANSI C code for the Rijndael cipher (now AES)
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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 */

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

Open Source Used In Cisco Auto Inline Retuner 2.1.0 19689
#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

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

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

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.1650 java-common 0.52
1.1650.1 Available under license:

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1.1651 model-mapper 2.3.2

1.1652 object-model 1.0.18
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ARTICLE 11  INDEMNIFICATION

11.1. Axway agrees to defend, settle and indemnify Customer from and against any amounts payable under judgment, court order or settlement brought by any unaffiliated third party against Customer to the extent that such action results from actual or alleged infringement by any Product of any third party copyright, trade secret or patent existing or issued as of the date that Axway initially Delivered the applicable version of such Product to Customer. In connection with any allegation of infringement of any third party rights, Customer shall (and it shall be a condition of reliance upon the indemnity for Customer to): immediately notify Axway in writing of the allegation; and allow Axway sole control of the defense and any related settlement negotiations; and cooperate in good faith in the said defense and comply with all of Axways reasonable requests (at Axways expense) in defending or settling the claim. 11.2. Should Customers use of the Product be determined to have infringed any third party rights, or if in Axways judgment, such use is likely to be infringing, Axway shall endeavor at its option do one of the following, at its own expense: - procure for Customer the right to continue owning and/or using the Product, as applicable. - replace or modify the Product to make its Use non-infringing while yielding substantially equivalent functionality. If and only if the previous options are not, in Axways reasonable judgment, commercially reasonable, then Axway may terminate this Agreement as it applies to the specific Product and the corresponding rights of Use. Customer agrees to destroy or return the affected Product to Axway on its written request and Axway will then return the Product license fees to Customer as prorated over a five (5) year term commencing on the date of Delivery of the applicable Product by Axway. The obligations of Axway in this Article 11 will not apply to the extent that the infringement or claim thereof is based on (i) Use of the Product other than in accordance with this Agreement, or (ii) modifications or additions to the Product by Customer personnel (other than modifications at Axways direction) or (iii) use of other than the most recent version of any Product if and from the time Axway informs Customer in writing that infringement or misappropriation may be avoided by use of the most recent version of such Product. THIS ARTICLE 11 SETS FORTH THE FULL SCOPE OF AXWAYS LIABILITY AND CUSTOMERS EXCLUSIVE REMEDY, TO THE EXTENT PERMITTED BY LAW, FOR ANY ACTUAL OR ALLEGED INFRINGEMENT OF THIRD PARTY RIGHTS IN CONNECTION WITH THE PRODUCT.

ARTICLE 12  LIABILITY

12.1. Axway does not warrant that the Product will operate in combination with other software selected by Customer, or that the Product will operate uninterrupted or free of non-material Defects. The Customer shall promptly inform Axway of any Defect and afford Axway reasonable opportunity to correct the Defect including, without limitation, the option to provide replacement Product, or correct any deficiency in Support Services. 12.2. Except for Axways obligations with respect to indemnification or confidentiality, Axway is not liable for any special, indirect, exemplary, incidental, punitive or consequential damages of any kind, including, without limitation, damages for loss of goodwill, work stoppage, lost profits, lost data or computer hardware or software damage, failure or malfunction, whether or not Axway has been advised of the possibility of such damages; except for Axways obligations with respect to indemnification or confidentiality, Axways liability hereunder shall not exceed the total amount of license and services fees invoiced under this agreement for the software giving rise to such liability during the calendar year in which the claim arose. the foregoing limitations of liability and disclaimers of damages apply regardless of the form in which an action (legal, equitable or otherwise) may be brought, whether in contract, tort, or otherwise. The limitations of liabilities, disclaimers of warranties, exclusivity of remedies and other limitations set forth herein are an essential element of the bargain between the parties (without which the transactions contemplated by this agreement would not occur) and will apply even if a remedy fails in its essential purpose. Axways liability for death and personal injury caused by its negligence and any breach of its obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982 will be unlimited 12.3. This Agreement is enforceable by the Parties to it and by their permitted assignees, otherwise a person who is not a party to this Agreement shall have no right to enforce or rely on any of the terms of this Agreement. The terms of this Article 12 shall survive termination of this Agreement.
ARTICLE 13  ADVERTISING
The Customer must include Axway's name any time it refers to the Product. The Customer hereby authorizes Axway to include its name in a customer list.

ARTICLE 14  ADMINISTRATIVE REQUIREMENTS
The Customer is responsible for obtaining any required legal authorizations arising out of Customers particular use of the Products and is responsible for its compliance with applicable data protection legislation.

ARTICLE 15  CONFIDENTIALITY
15.1. Each Party recognizes that under this Agreement either Party may have access to or otherwise receive trade secrets and confidential or proprietary information of the other, including information concerning products, including but not limited to the names of Customers clients, financial or contractual arrangements. All such information shall constitute "Confidential Information". The Products, including any Documentations or portions thereof and information, material or copy derived therefrom, is proprietary and confidential to Axway. Each Party agrees not to use, other than for the purposes for which it was disclosed or divulged the other party's Confidential Information and to limit disclosure of same to those of its employees and independent contractors who have a need to know the same and to use all reasonable endeavors to prevent its disclosure to or access by any third party without the prior written consent of the disclosing party. 15.2. Confidential Information does not include information that: (i) is or becomes a part of the public domain through no act or omission of the receiving Party; (ii) was in the receiving Party's lawful possession prior to the disclosure and had not been obtained by the receiving Party either directly or indirectly from the disclosing Party; (iii) is lawfully disclosed to the receiving Party by a third party without restriction on disclosure; (iv) is independently developed by the receiving Party without reference to the disclosing Party's Confidential Information; or (v) is required to be disclosed by any court of competent jurisdiction or by a governmental or regulatory authority or where there is a legal right, duty or requirement to disclose. In such event, the receiving Party will (and without breaching any legal or regulatory requirement) where reasonably practicable give the disclosing Party prompt notice in writing of the requirement to disclose. 15.3. The rights and obligations of the Parties under this Article 15 shall continue for three (3) years following expiration or termination of this Agreement.

ARTICLE 16  NON-SOLICITATION
16.1. For the duration of this Agreement and for the period of twelve (12) months following its termination or expiration, neither Party shall, without the prior written consent of the other Party, actively endeavor to solicit or entice away any person employed or engaged by the other Party in the performance or administration of this Agreement. 16.2. If a Party breaches the foregoing obligation, the breaching party shall pay to the other Party twelve times the prior monthly base salary of the relevant person, such sum being deemed by both Parties to be fair compensation for the loss suffered as a result of the breach. 16.3. The provisions of Article 16.2 shall not apply to any individual who can be proven to have responded to a bona fide published recruitment advertisement where the recruited person is not recruited to work for or with a party's personnel or department involved in this Agreement. Nothing in this Article 16 is intended to restrict the right of any individual to seek employment with whomsoever they wish, but is intended to provide for due compensation where such a situation occurs as a result of entering into this Agreement recognizing that loss of experienced personnel can have a serious effect upon any employer.

ARTICLE 17  TERMINATION
17.1. This Agreement may be terminated by either Party immediately upon written notice if the other Party is in material or continuing breach of any of its obligations under this Agreement and fails to remedy that breach (if capable of remedy) within thirty (30) days after receiving written notice of such breach. 17.2. Either Party may terminate this Agreement forthwith on giving written notice to the other Party if such Party has had a receiver or administrative receiver appointed over the whole or any part of its undertaking or assets or passes a resolution for
winding up, or a court of competent jurisdiction makes an order to that effect or if the other Party enters into any voluntary arrangement with its creditors or becomes subject to a bankruptcy administration order or ceases to carry on business. 17.3. Upon termination of the Agreement Customer must, depending on the method of Product delivery, either: (i) return the Licensed Component and the Documentation to Axway and destroy or return any copies of the Licensed Component that it may have made within fifteen (15) days from the termination date or (ii) remove all copies of the Licensed Component and certify in writing that all copies have been removed and destroyed. 17.4. After the Initial Support Term or any of the annual renewal of Support Services terms, either Party may terminate the Support Services on six (6) months prior written notice.

ARTICLE 18 WAIVER
The fact that either Party fails to take action after a breach by the other Party of any of its obligations arising hereunder shall not be construed or operate as a waiver of the obligation in question or of any later breach.

ARTICLE 19 SEVERABILITY
If any of the provisions of this Agreement, or any part thereof, is judged to be illegal or unenforceable, the remaining provisions will continue in full force and effect for the remainder of this Agreement and shall not be prejudiced, unless the substantive purpose of this Agreement is thereby frustrated, in which case either Party may terminate this Agreement forthwith on written notice.

ARTICLE 20 ASSIGNMENT
This Agreement and the license granted hereunder may not be assigned or transferred in whole or in part by Customer without Axways prior written consent. Axway may assign and transfer its complete rights and obligations under this Agreement, without the consent of Customer, to any corporation that is a wholly owned subsidiary or parent or sister corporation of Axway. This Agreement is enforceable by the Parties to it and by their permitted assignees, otherwise a person who is not a party to this Agreement shall have no right, including without limitation under the Contracts (Rights of Third Parties) Act 1999 to enforce or rely on any of the terms of this Agreement.

ARTICLE 21 AUDIT
Axway hereby reserves the right to conduct an on-site audit of Customer to verify compliance with the Licensed Component license granted herein by providing at least three (3) days prior written notice. Customer consents to audit compliance software being run on Customer systems. The Customer hereby agrees to cooperate with the audit in good faith, to grant Axway access to all relevant information and to provide copies of relevant information on request. In addition, Customer agrees, upon request by Axway from time to time, to provide Axway with a written report, certified by an officer, stating the physical Site(s) and computer systems with respect to which Customer is using the Licensed Component.

ARTICLE 22 EXPORT
Customer shall not export, ship, transmit or re-export the Products or Documentation in violation of any applicable law or regulation.

ARTICLE 23 THIRD PARTY SOFTWARE
Certain Third Party Software may be provided with the Licensed Component(s) that is subject to the accompanying license(s), if any, of its respective owner(s). To the extent portions of the Software are distributed under and subject to open source licenses obligating Axway to make the source code for such portions publicly available (such as the GNU General Public License ("GPL") or the GNU Library General Public License ("LGPL")), Axway will make such source code portions (including Axway modifications, as appropriate) available upon request for a period of up to three (3) years from the date of distribution. Such request can be made in writing to Axway Software - Tour W.
ARTICLE 24 - NOTICES
All notices, demands, consents, approvals and other communications shall be sufficient if in writing and sent by facsimile transmission (with a hard copy mailed on the same date) or registered or certified mail, return receipt requested, postage prepaid, or overnight courier service to the other party at its address set out in the Order Form or to such other superseding notice address that it has subsequently provided to other Party in writing. Each such notice shall be deemed to have been served: in the case of by hand and special delivery, when actually received; or if posted by recorded delivery shall be deemed to have been accepted on the expiry of forty eight (48) hours after posting and on proving posting it shall be sufficient to produce a copy of the notice properly addressed with the relevant post office receipt for its dispatch by recorded delivery.

ARTICLE 25  GOVERNING LAW and DISPUTES
25.1. This Agreement will be governed by and interpreted in accordance with the laws of England and Wales. Should any dispute arise, the Parties will use all reasonable efforts to attempt to resolve the dispute in good faith by senior level negotiations. The dispute shall be referred by a written request to an officer of each Party who has authority to resolve the dispute and who is not directly involved with the subject matter of this Agreement who shall meet within fifteen (15) days from the dispatch of the written request in order to attempt to resolve the dispute. 25.2. If the dispute is not resolved through negotiation, both Parties agree that the Courts of England will have exclusive jurisdiction in connection with the resolution of the dispute. The United Nations Convention on the International Sale of Goods shall not apply to this Agreement.

ATTACHMENT A ADDITIONAL DEFINITIONS
To the extent used in the Order Forms pursuant to this Agreement, the following definitions have the following meanings: Active (Production) License means a license for Use of the Product in a production environment. An Active/Active configuration refers to a shared cluster configuration whereby applications and data are simultaneously available to all server Instances in the cluster. Consequently, Active/Active clusters support high availability. Computer means one or a group of physical hardware machines processing data and hosting the running of one or more operating systems as defined in the Order Form; Core means the main part of CPU that interprets the instructions and performs the binary calculations. Every CPU has at least one Core, but can be composed of several Cores. If the right of Use is based on Cores and if the Licensed Component is used on a single computer with multiple Cores, the Core license must correspond with the number of respective Cores contained within such Computer CPU (Central Processing Unit) means a functional unit in a computer that interprets and executes instructions. If the right of Use is based on CPUs and if the Licensed Component is used on a single computer with multiple CPUs, the CPU license must correspond with the number of respective CPUs contained within such Computer Instance means a single occurrence of a Licensed Component. For clarification, if Customer has purchased only one Active Production Instance, Customer may run a single occurrence of the Licensed Component in RAM (Random Access Memory); Named User means a physical person susceptible to establish a session with the Licensed Component; Node means a running instance of an Axway program, i.e. a JVM (Java Virtual Machine) running an Axway application; Partition means a reserved part of the resources of an Operating Environment that is set aside for a specific purpose; Such as: Capped-Partition means the Sub-Capacity Partition using a determined maximum subset of the resources of an Operating Environment. Floating Partition means the Sub-Capacity Partition using a dynamically allocated subset of the resources of an Operating Environment. The maximum potential of resources used by a Sub-Capacity Partition equals the overall resources of the Operating Environment;
Full-Capacity Partition means a Partition using all the resources of an Operating Environment. There can only be one Full-Capacity Partition per Operating Environment. If there is another partition, then both Partitions are Sub-Capacity Partitions; Sub-Capacity Partition means a partition using a subset of the resources of an Operating Environment; Passive (Non-Production) License refers to a cluster fail over or disaster recovery software architecture. The passive software doesn't execute unless the licensed production copy of the Licensed Component fails. Where Customer is not able to use its licensed production copy of the Licensed Component in the event of fail over, the Passive license will start executing after a service interruption. A Passive License may also include those for test, development, archiving or quality control/quality assurance; User means, unless otherwise stated in the applicable Order: (a) with respect to all Products other than Products that are part of Axways Validation Authority or SecureTransport product suites, any person who is assigned login or Use rights or credentials by Customer to access the applicable Product, whether directly, through another application or otherwise; (b) with respect to any Product included in Axways SecureTransport product suite, any person or system who is assigned login or Use rights or credentials by Customer to access the applicable Product, whether directly, through another application or otherwise; and (c) with respect to any Product included in Axways Validation Authority product suite, any Validation Authority User. Validation Authority User means any Human User, Group User or Non-Human User. Human User means, with respect to the applicable Product included in Axways Validation Authority product line, any human who has one or more associated digital certificates associated with such human that: (i) uniquely identify such human; and (ii) are contained in a database or other repository that can be queried through Customers implementation of such Product. Group User means, with respect to the applicable Product included in Axways Validation Authority product line, any group of humans that has one or more associated digital certificates that: (i) uniquely identify such group; and (ii) are contained in a database or other repository that can be queried through Customers implementation of such Product. Non-Human User means, with respect to the applicable Product included in Axways Validation Authority product line, anything other than a Human User or Group User (such as a device) (Non-Human) that has one or more associated digital certificates that: (i) uniquely identify such Non-Human; and (ii) are contained in a database or other repository that can be queried through Customers implementation of such Product.

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

-----

Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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following Apache Tomcat jars, all ASL2 licensed.

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.1654 libxdmcp 1.1.1-1+b1

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1.1655 base-files 10.1ubuntu2.10

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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
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1.1671 rocksdb 5.18.3
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.1687 aws-sdk-resources 2.11.298

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# Guzzle

<https://github.com/guzzle/guzzle>

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# jmespath.php

<https://github.com/mtdowling/jmespath.php>

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# React Promises

<https://github.com/reactphp/promise>

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1.1688 e2fsprogs 1.42.9 13.el7

1.1688.1 Available under license:

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:
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*/
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version
- trivial database library - private includes

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#
# This is 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) $(OBJ))
	$(MV) pic/$(BSD_LIB) .
	$(RM) -f ../$(BSD_LIB)
	ns $(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)
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Theodore Ts'o
23-June-2007

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  jar/com/martiansoftware/nailgun/builtins/NGServerStats.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
  jar/com/martiansoftware/nailgun/ThreadLocalPrintStream.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
  jar/com/martiansoftware/nailgun/NGOutputStream.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
  jar/com/martiansoftware/nailgun/NGInputStream.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
  jar/com/martiansoftware/nailgun/Alias.java
* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-
  jar/com/martiansoftware/nailgun/NGInputstream.java

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 * @param url the URL of the resource (directory or jar) to add to the System classpath
 * @throws Exception if anything goes wrong. The most likely culprit, should this ever arise, would be that your VM is not using a URLClassLoader as the System ClassLoader. This would result in a ClassNotFoundException that you probably can't do much about.
 */

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## Source Code

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  jar/org/springframework/cloud/netflix/archaius/ConfigurableEnvironmentConfiguration.java
* /opt/cola/permits/1137898389_1614163545.94/0/spring-cloud-netflix-archaius-2-2-3-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069054010_1594474692.29/micrometer-core-1-5-1-sources-jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java
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The End

1.1708 zstd-jni 1.3.7-3

1.1709 hibernate-validator 6.0.17.Final

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* Hibernate Validator, declare and validate application constraints
*/

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*/
/**
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-
jar/org/hibernate/validation/constraints/ParameterScriptAssert.java
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*/
/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

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* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForLocalTime.java
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckBase.java
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1.1710 python-dateutil 2.7.3-1.ph3

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1.1711 jetty 9.4.18.v20190429

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Eclipse

The following artifacts are EPL.
  * org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

---

Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

---

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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Cryptography
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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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dca-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:
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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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI) in the Netherlands as a successor of a
language called ABC. Guido is Python’s principal author, although it
includes many contributions from others. The last version released
from CWI was Python 1.2. In 1995, Guido continued his work on Python
at the Corporation for National Research Initiatives (CNRI) in Reston,
Virginia where he released several versions of the software. Python
1.6 was the last of the versions released by CNRI. In 2000, Guido and
the Python core development team moved to BeOpen.com to form the
BeOpen PythonLabs team. Python 2.0 was the first and only release
from BeOpen.com.

Following the release of Python 1.6, and after Guido van Rossum left
CNRI to work with commercial software developers, it became clear that
the ability to use Python with software available under the GNU Public
License (GPL) was very desirable. CNRI and the Free Software
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After Python 2.0 was released by BeOpen.com, Guido van Rossum and the
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1.1723 gobject-introspection 1.56.1-1.el7

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1.1724 commons-runtime 3.0.5

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* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/schema/ApiModelTypeNameProvider.java
* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/web/SwaggerApiListingReader.java

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* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/operation/OperationSummaryReader.java
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* /opt/cola/permits/1177939685_1625570697.96/0/springfox-swagger-common-2-9-2-sources-3-jar/springfox/documentation/swagger/readers/parameter/Examples.java

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1.1737 libssh2 1.8.0

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1.1739 libcap-ng 0.7.7 3.1
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1.1743 jackson-module-afterburner 2.9.9

1.1744 openssl 1.0.2k 16.el7_6.1
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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.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.1749 libsub-exporter-perl 0.986-1

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<signature of Ty Coon>, 1 April 1989
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1.1750 d-bus 1.10.24 13.el7_6

1.1751 jackson-mapper-asl 1.9.13

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* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-jar/org/codehaus/jackson/map/MappingJsonFactory.java
1.1752 faraday 0.9.2
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1.1753 pyyaml 3.13
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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 <https://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@ibofo.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 Figovskiy <boris.figovskiy@ravelosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://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 <https://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 <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

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

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

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

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

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

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

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

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

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

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

* Thea Flowers <magicalgirl@google.com>
* App Engine environment tests.
* Documentation re-write.

* 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@googlemail.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_forceclist retries.
* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urlib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

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  * [Brief summary of your changes]
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* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/ClassMemberValue.java
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  jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-
  jar/javassist/bytecode/annotation/LongMemberValue.java
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* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/convert/TransformReadField.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/util/proxy/MethodHandler.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/analysis/Analyzer.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/Bytecode.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/CodeAttribute.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/ClassMap.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/ByteArrayClassPath.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/1110923499_1606873622.06/0/javassist-3-18-2-ga-sources-5-jar/javassist/expr/Cast.java
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1.1765 jackson-dataformat-xml 2.11.0

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# Jackson JSON processor

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### 1.1766 sequel 5.21.0

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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/annotations/Immutable.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/annotations/NotThreadSafe.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/annotations/ThreadSafe.java
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 * https://github.com/marianobarios/tls-channel
 */
/**
 * Writes a sequence of bytesProduced to this channel from a subsequence of the
 * given buffers.
 *
 * <p>
 * See {@link GatheringByteChannel#write(ByteBuffer[], int, int)} for more
 * details of the meaning of this signature.
 *
 * <p>
 * This method behaves slightly different than the interface specification,
 * with respect to non-blocking responses, see {@link #write(ByteBuffer)}
 * for more details.
 *
 * @param srcs   The buffers from which bytesProduced are to be retrieved
 * @param offset The offset within the buffer array of the first buffer from
 *               which bytesProduced are to be retrieved; must be non-negative and no
 *               larger than <tt>srcs.length</tt>
 * @param length The maximum number of buffers to be accessed; must be
 *               non-negative and no larger than <tt>srcs.length</tt>
 * @return The number of bytesProduced written, contrary to the behavior specified
 * in {@link ByteChannel}, this method never returns 0, but throws
 * @throws IndexOutOfBoundsException If the preconditions on the <tt>offset</tt> and
* <tt>length</tt> parameters do not hold
* @throws WouldBlockException if the channel is in non-blocking mode and the IO operation cannot be completed immediately
* @throws NeedsTaskException if the channel is not configured to run tasks automatically and a task needs to be executed to complete the operation
* @throws SSLException if the {@link SSLEngine} throws a SSLException
* @throws IOException if the underlying channel throws an IOException
*/
/**
* Reads a sequence of bytesProduced from this channel into a subsequence of the given buffers.
* 
* <p>
* See {@link ScatteringByteChannel#read(ByteBuffer[], int, int)} for more details of the meaning of this signature.
* 
* <p>
* This method behaves slightly different than the interface specification, with respect to non-blocking responses, see {@link #read(ByteBuffer)} for more details.
* 
* @param dsts The buffers into which bytesProduced are to be transferred
* @param offset The offset within the buffer array of the first buffer into which bytesProduced are to be transferred; must be non-negative and no larger than <tt>dsts.length</tt>
* @param length The maximum number of buffers to be accessed; must be non-negative and no larger than <tt>dsts.length</tt>
* &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n...
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*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
jar/com/mongodb/internal/authentication/SaslPrep.java
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jar/com/mongodb/internal/connection/SplittablePayload.java
*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
jar/com/mongodb/internal/async/client/gridfs/GridFSIndexCheck.java
*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
jar/com/mongodb/management/ConnectionPoolStatistics.java
*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
jar/com/mongodb/internal/connection/BaseCluster.java
*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
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jar/com/mongodb/management/NullMBeanServer.java
*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-
jar/com/mongodb/client/model/geojson/Point.java
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jar/com/mongodb/internal/connection/Compressor.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/HexUtils.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/operation/SyncOperations.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/async/client/AsyncMongoDatabaseImpl.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/connection/DefaultClusterableServerFactory.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/MongoCommandException.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/event/ServerListenerAdapter.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/connection/AsynchronousSocketChannelStreamFactoryFactory.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/validator/UpdateFieldNameValidator.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/client/model/IndexOptions.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/connection/ServerMonitor.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/operation/FindOperation.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/event/ConnectionCheckedInEvent.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/connection/ClusterId.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/connection/ConnectionDescription.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/session/BaseClientSessionImpl.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/async/client/package-info.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/client/model/changestream/ChangeStreamLevel.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/connection/UpdateMessage.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/event/ClusterDescriptionChangedEvent.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources-
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jar/com/mongodb/internal/operation/CursorHelper.java
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*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources.jar/com/mongodb/internal/operation/MixedBulkWriteOperation.java
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*/opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources.jar/com/mongodb/internal/connection/CommandResultBaseCallback.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/client/model/Accumulators.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/client/model/MapReduce.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/client/model/CommandProtocolImpl.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources.jar/com/mongodb/internal/connection/ExponentiallyWeightedMovingAverage.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources.jar/com/mongodb/internal/binding/AsyncSingleConnectionReadBinding.java
* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources.jar/com/mongodb/internal/async/client/AsyncListIndexesIterable.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/operation/DeleteOperation.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4.0.4-sources.jar/com/mongodb/internal/connection/DefaultServerConnection.java
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* /opt/cola/permits/1138169255_1614268297.25/0/mongodb-driver-core-4-0-4-sources-jar/com/mongodb/event/CommandEvent.java
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `src/lib/gssapi`, including the following files:

.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
    lib/gssapi/mechglue/g_accept_sec_context.c
    lib/gssapi/mechglue/g_acquire_cred.c
    lib/gssapi/mechglue/g_canon_name.c
    lib/gssapi/mechglue/g_compare_name.c
    lib/gssapi/mechglue/g_context_time.c
    lib/gssapi/mechglue/g_delete_sec_context.c
    lib/gssapi/mechglue/g_dsp_name.c
    lib/gssapi/mechglue/g_dsp_status.c
    lib/gssapi/mechglue/g_dup_name.c
    lib/gssapi/mechglue/g_exp_sec_context.c
    lib/gssapi/mechglue/g_export_name.c
    lib/gssapi/mechglue/g_glue.c
    lib/gssapi/mechglue/g_imp_name.c
    lib/gssapi/mechglue/g_imp_sec_context.c
    lib/gssapi/mechglue/g_init_sec_context.c
    lib/gssapi/mechglue/g_initialize.c
    lib/gssapi/mechglue/g_inquire_context.c
    lib/gssapi/mechglue/g_inquire_cred.c
    lib/gssapi/mechglue/g_inquire_names.c
    lib/gssapi/mechglue/g_process_context.c
    lib/gssapi/mechglue/g_rel_buffer.c
    lib/gssapi/mechglue/g_rel_cred.c
    lib/gssapi/mechglue/g_rel_name.c
    lib/gssapi/mechglue/g_rel_oid_set.c
    lib/gssapi/mechglue/g_seal.c
    lib/gssapi/mechglue/g_sign.c
    lib/gssapi/mechglue/g_store_cred.c
    lib/gssapi/mechglue/g_unseal.c
    lib/gssapi/mechglue/g_userok.c
    lib/gssapi/mechglue/g_utils.c
    lib/gssapi/mechglue/g_verify.c
    lib/gssapi/mechglue/gssd_pname_to_uid.c
    lib/gssapi/mechglue/mglueP.h
    lib/gssapi/mechglue/oid_ops.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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COLLAPSE_INDEX: false,
FILE_SUFIX: '.html',
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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
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```python
import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment # is a license statement.

def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*- ' and we don't want to change them.
    if line != '' and line != '-*
    text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
```
if '\-* mode: c;' in lines[ln]:
    ln += 1

# Check filename comment if present.
m = re.match(r'^\* ([^ ]*)\*\*\?\.*/', lines[ln])
if m:
    if m.group(1) != fname:
        warn(fname, ln, 'Wrong filename in comment')
    ln += 1

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'^\*.*\*/', '', line)
        line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
        is_license = check_comment(comment, fname, comment_starts_at,
                                    code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
    elif line.strip() != '':
        code_seen = True
    ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

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*/

1.1774 jre 11.0.3.7-0.el7_6
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## CUP Parser Generator for Java v 0.11b

### CUP Parser Generator License

```bash
```

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https://github.com/openjdk/jfx

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rt/modules/javafx.media/src/main/native/gstreamer/gstreamer-lite/
```

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

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c3f2bb5b6.

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

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

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1.1780 python-defaults 2.7.9-1

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  Current maintainer is Matthias Klose <doko@debian.org> until the final
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.1781 lucene-queries 8.0.0

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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//
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package github
import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitenmpy"`
    Path *string `json:"path,omitenmpy"`
    SHA     *string  `json:"sha,omitenmpy"`
    Size    *int     `json:"size,omitenmpy"`
    URL     *string  `json:"url,omitenmpy"`
    HTMLURL *string  `json:"html_url,omitenmpy"`
    GitURL  *string  `json:"git_url,omitenmpy"`
    DownloadURL *string `json:"download_url,omitenmpy"`
    Type    *string  `json:"type,omitenmpy"`
    Content *string  `json:"content,omitenmpy"`
    Encoding *string `json:"encoding,omitenmpy"`
    License *License `json:"license,omitenmpy"`
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key  *string `json:"key,omitenmpy"`
    Name *string `json:"name,omitenmpy"`
    URL  *string `json:"url,omitenmpy"`
    SPDXID         *string   `json:"spdx_id,omitenmpy"`
    HTMLURL        *string   `json:"html_url,omitenmpy"`
    Featured       *bool     `json:"featured,omitenmpy"`
    Description    *string   `json:"description,omitenmpy"`
    Implementation *string `json:"implementation,omitenmpy"`
    Permissions    *[]string `json:"permissions,omitenmpy"`
    Conditions     *[]string `json:"conditions,omitenmpy"`
    Limitations    *[]string `json:"limitations,omitenmpy"`
    Body           *string   `json:"body,omitenmpy"`
func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    licenses := []*License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }
    return licenses, resp, nil
}

// Get extended metadata for one license.
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }
    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }
    return license, resp, nil
}

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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its {@link ChannelPipeline}.
 *
 * <h3>Sub-types</h3>
 * <p>
 * {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>

* <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* </p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* 
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
* 
* <h3>State management</h3>
* 
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* </pre>
* 
* public interface Message {
*     // your methods here
* }
* 
* public class DataServerHandler extends {@link SimpleChannelInboundHandler<Message>} {
*     private boolean loggedIn;
* 
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* 
*
Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

// Create a new handler instance per channel.
// See [ChannelInitializer#initChannel(Channel)].
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}

Using @AttributeKeys

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use @AttributeKeys which is provided by @ChannelHandlerContext:

public interface Message {
    // your methods here
}

@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                // your code here
            }
        }
    }
}

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fail();
}
*
* ...*
*
</pre>
* Now that the state of the handler is attached to the \link{ChannelHandlerContext}, you can add the*
* same handler instance to different pipelines:
*
<pre>
public class DataServerInitializer extends \link{ChannelInitializer} &lt;\link{Channel}&gt; {*
*     private static final DataServerHandler \b>SHARED</b> = new DataServerHandler();
*     {*
*         public void initChannel(\link{Channel} channel) {*
*             channel.pipeline().addLast("handler", \b>SHARED</b>);*
*         }*
*     }*
* </pre>
* <h4>The \code{@Sharable} annotation</h4>
* In the example above which used an \link{AttributeKey},
* you might have noticed the \code{@Sharable} annotation.
* <p>
* If a \link{ChannelHandler} is annotated with the \code{@Sharable}*
* annotation, it means you can create an instance of the handler just once and
* add it to one or more \link{ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <p>
* Additional resources worth reading</h3>
* <p>
* Please refer to the \link{ChannelHandler}, and
* \link{ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
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* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/group/ChannelGroup.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelGroup.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelGroupException.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/bootstrap/ChannelFactory.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/DefaultChannelGroup.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/group/ChannelMatcher.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/ChannelId.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/DefaultChannelId.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/MessageSizeEstimator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/group/ChannelMatchers.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java

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* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/internal/ChannelUtils.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/io/oio/OioDatagramChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/socket/io/DefaultOioDatagramChannelConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-jar/io/netty/channel/PendingBytesTracker.java

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  jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/SelectStrategyFactory.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/SelectStrategy.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/DefaultSelectStrategyFactory.java
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  jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/socket/DuplexChannel.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
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  jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/pool/ChannelPool.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/pool/FixedChannelPool.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
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* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
  jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
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jar/io/netty/channel/ExtendedClosedChannelException.java
* /opt/cola/permits/1177956806_1625584573.81/0/netty-transport-4-1-48-final-sources-4-
jar/io/netty/channel/EventLoopTaskQueueFactory.java
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jar/io/netty/channel/ChannelHandlerMask.java
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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.1812 slf4j-simple 1.7.26

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* /opt/cola/permits/1140938432_1614898745.58/0/slf4j-simple-1-7-26-sources-2-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/cola/permits/1140938432_1614898745.58/0/slf4j-simple-1-7-26-sources-2-jar/org/slf4j/impl/SimpleLoggerFactory.java
* /opt/cola/permits/1140938432_1614898745.58/0/slf4j-simple-1-7-26-sources-2-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1140938432_1614898745.58/0/slf4j-simple-1-7-26-sources-2-jar/org/slf4j/impl/StaticMarkerBinder.java

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1.1813 rename 0.20-3
1.1814 spring-web 5.2.7.RELEASE
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jar/org/springframework/web/filter/RelativeRedirectFilter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
jar/org/springframework/remoting/jaxws/AbstractJaxWsServiceExporter.java
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jar/org/springframework/web/context/request/WebRequest.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
jar/org/springframework/http/converter/json/AbstractJsonHttpMessageConverter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
jar/org/springframework/web/server/i18n/FixedLocaleContextResolver.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
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jar/org/springframework/web/server/DefaultServerWebExchangeBuilder.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
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jar/org/springframework/web/server/adapter/AbstractReactiveWebInitializer.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
jar/org/springframework/web/bind/MissingRequestHeaderException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
jar/org/springframework/web/context/request/async/WebAsyncUtils.java
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jar/org/springframework/web/bind/MissingMatrixVariableException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
.jar/org/springframework/web/context/request/async/WebAsyncTask.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
.jar/web/server/reactive/JettyHeadersAdapter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
.jar/web/server/reactive/ServletHttpHandlerAdapter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
.jar/web/server/reactive/HttpHeadersAdapter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
.jar/web/server/reactive/HttpEntity.java

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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/codec/json/Jackson2CodecSupport.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/reactive/ServletServerHttpResponse.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/reactive/ReactorServerHttpResponse.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/codec/support/BaseCodecConfigurer.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/reactive/UndertowServerHttpResponse.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/codec/json/Jackson2JsonDecoder.java
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/util/UriBuilderFactory.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/util/HierarchicalUriComponents.java
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/client/RestTemplate.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/reactive/UndertowServerHttpResponse.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/accept/MediaTypeFileExtensionResolver.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/DefaultPathContainer.java
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/server/WebFilter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/server/WebFilterChain.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/HttpMessage.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/bind/support/SpringWebConstraintValidatorFactory.java
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/context/request/RequestContextListener.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/context/request/RequestContextListener.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/util/HttpSessionMutexListener.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/multipart/MultipartResolver.java

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   jar/org/springframework/web/bind/support/SessionStatus.java
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   /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
   jar/org/springframework/web/context/support/ServletConfigPropertySource.java
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/bind/annotation/Mapping.java

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jar/org/springframework/web/multipart/support/RequestPartServletServerHttpRequest.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactoryBean.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/multipart/MultipartException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/server/i18n/LocaleContextResolver.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/server/ServerWebInputException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/http/client/OkHttp3ClientHttpResponse.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/http/client/support/ProxyFactoryBean.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/support/ApplicationContextSupport.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/support/DefaultDataBinderFactory.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/support/DeferredResultProcessingInterceptor.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/support/DeferredResultProcessingInterceptorAdapter.java
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  jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java

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/** *
 * Return the web session for the current request. Always guaranteed to *
 * return an instance either matching to the session id requested by the *
 * client, or with a new session id either because the client did not *
 * specify one or because the underlying session had expired. Use of this *
 * method does not automatically create a session. See {@link WebSession} *
 * for more details. */

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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/server/handler/DefaultWebFilterChain.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/server/adapter/DefaultServerWebExchange.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/server/reactive/AbstractListenerWriteFlushProcessor.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/accept/FixedContentNegotiationStrategy.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/client/RestOperationsExtensions.kt
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/client/HttpStatusException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/client/UnknownHttpStatusException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/converter/ByteArrayHttpMessageConverter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/bind/annotation/CrossOrigin.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/util/UrlPathHelper.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
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jar/org/springframework/web/server/ServerWebExchangeDecorator.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/method/annotation/AbstractWebArgumentResolverAdapter.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/http/server/reactive/AbstractListenerReadPublisher.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/bind/annotation/RestControllerAdvice.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/support/ServletContextScope.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/http/client/support/BasicAuthenticationInterceptor.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/web/context/RequestContextHolder.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1.jar/org/springframework/http/client/support/DefaultOkHttpClient.java

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    jar/org/springframework/http/server/ServerHttpResponse.java
  * /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
    jar/org/springframework/web/HttpMediaTypeException.java

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# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
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#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
# MIME type (lowercased)Extensions
# ==========================================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-insetez
# application/applefile
application/applixwareaw
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
# application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+xml
# application/batch-smtp
# application/beep+xml
# application/calendar+json
# application/calendar+xml
# application/call-completion
# application/cals-1840
# application/cbor
# application/ccmp+xml
application/ccxml+xml
# application/cdd+xml
application/cdni
application/cdmi-capability
application/cdmi-container
application/cdmi-domain
application/cdmi-object
application/cdmi-queue
# application/cdni
# application/example
application/exi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fits
# application/font-sfnt
application/font-tdpfr
application/font-woff
# application/framework-attributes+xml
# application/geo+json
application/gml+xml
application/gpx+xml
application/gxf
# application/gzip
# application/h224
# application/held+xml
# application/http
application/hyperstudio
# application/ibe-key-request+xml
# application/ibe-pkg-reply+xml
# application/ibe-pp-data
# application/iges
# application/im-iscomposing+xml
# application/index
# application/index.cmd
# application/index.obj
# application/index.response
# application/index.vnd
application/inkml+xml
# application/jose
# application/jose+json
# application/jrd+json
application/json
# application/json-patch+json
# application/json-seq
application/jsonml+xml
# application/jwk+json
# application/jwk-set+xml
# application/jwt
# application/kpml-request+xml
# application/kpml-response+xml
# application/ld+json
# application/lgr+xml
# application/link-format
# application/load-control+xml
application/lost+xml
application/lostsync+xml
# application/lxf
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application/mac-compactproct
# application/macwriteii
application/mads+xml
application/marc
application/marcxml+xml
application/mathematica
application/mathml+xml
# application/mathml-content+xml
# application/mathml-presentation+xml
# application/mbms-associated-procedure-description+xml
# application/mbms-deregister+xml
# application/mbms-envelope+xml
# application/mbms-msk+xml
# application/mbms-msk-response+xml
# application/mbms-protection-description+xml
# application/mbms-reception-report+xml
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# application/moss-signature
# application/mosskey-data
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application/mp4
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# application/ppsp-tracker+json
# application/problem+json
# application/problem+xml
# application/provenance+xml
# application/prs.alvestrand.titrax-sheet
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# application/prs.hpub+zip
# application/prs.nprened
# application/prs.plucker
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# application/prs.xsf+xml
application/pskc+xml
# application/qsig
# application/raptorfec
# application/rdap+json
application/rdf+xmlrdf
application/reginfo+xmllrif
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# application/remote-printing
# application/reputon+json
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application/resource-lists-diff+xmlxmlrld
# application/rfc+xml
# application/riscos
# application/rmi+xml
application/rlmi+xmlxmr
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application/rtttrtf
# application/rtploopback
# application/rtx
# application/samlassertion+xml
# application/samlmetadata+xml
application/sbml+xmlsbml
# application/scaip+xml
# application/scim+xml
application/scvp-cv-requestscq
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application/sdpsdp
# application/sep+xml
# application/sep-exi
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# audio/evrcnw1
# audio/evrcwb
# audio/evrcwb0
# audio/evrcwb1
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# audio/gsm-efr
# audio/gsm-hr-08
# audio/ilbc
# audio/ip-mr_v2.5
# audio/isac
# audio/l16
# audio/l20
# audio/l24
# audio/l8
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# audio/mp4a-latm
# audio/mpa
# audio/mpa-robust
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# audio/mpeg4-generic
# audio/musepack
audio/oggoga ogg spx
# audio/opus
# audio/parityfec
# audio/pcma
# audio/pcma-wb
# audio/pcmu
# audio/pcmu-wb
# audio/prs.sid
# audio/qcelp
# audio/raptorfec
# audio/red
# audio/rtp-enc-aescm128
# audio/rtp-midi
# audio/rtploopback
# audio/rtx
audio/s3ms3m
audio/silksil
# audio/smv
# audio/smv-qcp
# audio/smv0
# audio/sp-midi
# audio/speex
# audio/t140c
# audio/t38
# audio/telephone-event
# audio/tone
# audio/uemclip
# audio/ulpfec
# audio/vdvi
# audio/vmr-wb
# audio/vnd.3gpp.iufp
# audio/vnd.4sb
# audio/vnd.audiokoz
# audio/vnd.celp
# audio/vnd.cisco.nse
# audio/vnd.cmles.radio-events
# audio/vnd.cns.anp1
# audio/vnd.cns.inf1
audio/vnd.dece.audiouva uvva
audio/vnd.digital-windeol
# audio/vnd.dlna.adts
# audio/vnd.dolby.heaac.1
# audio/vnd.dolby.heaac.2
# audio/vnd.dolby.mlp
# audio/vnd.dolby.mps
# audio/vnd.dolby.pl2
# audio/vnd.dolby.pl2x
# audio/vnd.dolby.pl2z
# audio/vnd.dolby.pulse.1
audio/vnd.dradra
audio/vnd.dtsdts
audio/vnd.dts.hdts
# audio/vnd.dvb.file
# audio/vnd.everad.plj
# audio/vnd.hns.audio
# model/vnd.opengex
# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.sourcecompiled-map
model/vnd.vtu
model/vrmlwrl vrml
model/x3d+binaryx3db x3dbz
# model/x3d+fastinfoset
model/x3d+vrmlx3dv x3dvz
model/x3d+xmlx3d x3dz
# model/x3d-vrml
# multipart/alternative
# multipart/appledouble
# multipart/bufferranges
# multipart/digest
# multipart/encrypted
# multipart/example
# multipart/form-data
# multipart/header-set
# multipart/mixed
# multipart/parallel
# multipart/related
# multipart/report
# multipart/signed
# multipart/voice-message
# multipart/x-mixed-replace
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text/calendarics ifb
text/csscss
text/csvcsv
# text/csv-schema
# text/directory
# text/dns
# text/ecmascript
# text/encaprtp
# text/enriched
# text/example
# text/fwdred
# text/grammar-ref-list
text/htmlhtml htm
# text/javascript
# text/jcr-cnd
# text/markdown
# text/mizar
text/n3n3
# text/parameters
video/webm
video/x-f4v4v
video/x-flif
video/x-flv
video/x-m4v
video/x-matroska
video/x-nng
video/x-ms-asf
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video/x-mng

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*/

Found in path(s):
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/server/WebExceptionHandler.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/bind/annotation/PutMapping.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/context/annotation/SessionScope.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/context/request/RequestContextHolder.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/bind/annotation/PatchMapping.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-
  jar/org/springframework/web/bind/annotation/Sessi...
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* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/bind/annotation/InitBinder.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/client/ResourceAccessException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/web/bind/ServletRequestBindingException.java
* /opt/cola/permits/1135880101_1613624385.9/0/spring-web-5-2-7-release-sources-1-jar/org/springframework/http/MediaTypeEditor.java
1.1815 base-files 10.3+deb10u4

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
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program `Gnomovision' (a program to direct compilers to make passes
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<signature of Ty Coon>, 1 April 1989
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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1.1816 hdrhistogram 2.1.12

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Manifest-Version: 1.0
Bnd-LastModified: 1575980548657
Build-Jdk: 1.8.0_232
Built-By: gil
Bundle-Description: HdrHistogram supports the recording and analyzing sampled data value counts across a configurable integer value range with configurable value precision within the range. Value precision is expressed as the number of significant digits in the value recording, and provides control over value quantization behavior across the value range and the subsequent value resolution at any given level.
Bundle-License: http://creativecommons.org/publicdomain/zero/1.0/, https://opensource.org/licenses/BSD-2-Clause
Bundle-ManifestVersion: 2
Bundle-Name: HdrHistogram
Bundle-SymbolicName: org.hdrhistogram.HdrHistogram
Bundle-Version: 2.1.12
Created-By: Apache Maven Bundle Plugin
Export-Package: org.HdrHistogram;version="2.1.12",org.HdrHistogram.packagearray;version="2.1.12"
Implementation-Title: HdrHistogram
Implementation-Vendor-Id: org.hdrhistogram
Implementation-Version: 2.1.12
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: HdrHistogram
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Tool: Bnd-2.3.0.201405100607

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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.salaranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.1824 python-requests 2.20.0

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  */opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Log4JLogger.java
  */opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java
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  */opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/SimpleLog.java
  */opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk14Logger.java
  */opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogSource.java
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1.1839 j2objc-annotations 1.1

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1.1840 zuul-core 1.3.1

1.1841 ncurses 6.1-1ubuntu1.18.04
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Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

-------------------------------------------------------------------
Files: *
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Files: aclocal.m4 package
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-- vile: txtmode file-encoding=utf-8

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