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@(#)extern.h 8.1 (Berkeley) 6/6/93

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tftp-hpa-f603e8d/tftpsubs.c
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* /opt/cola/permits/1135864262_1613618257.27/0/isorelax-20090621-sources-1-
  jar/org/iso_relax/dispatcher/IslandVerifier.java

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/*! *
  * @(#)Id: AttributesDecl.java,v 1.3 2001/11/01 00:11:45 kkawa Exp $ *
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 * @(#)Id: SchemaProvider.java,v 1.6 2003/05/30 23:46:32 kkawa Exp $
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* /opt/cola/permits/1135864262_1613618257.27/0/isorelax-20090621-sources-1-jar/org/iso_relax/dispatcher/impl/DispatcherImpl.java

1.12 jetty-http 9.4.44.v20210927

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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1.14 slf4j 1.6.1

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1.15 lcms 2.6 3.el7
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1.16 libunistring 0.9.3 9.el7

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> Is it allowed to use the code there, or should I accomodate the testsuite
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> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net>           ID: 0xA5F059F2
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its purpose remains meaningful.

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

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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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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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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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
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6. As an exception to the Sections above, you may also combine or
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1.30 geo-ip 1.5.0 13.el7

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1.40 undertow-servlet 2.2.12.Final
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/CrawlerSessionManagerHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/util/EmptyEnumeration.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/WebResourceCollection.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/AuthorizationManager.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/InstanceFactory.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/MetricsCollector.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/SessionCookieConfigImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/SecurityInfo.java

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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ManagedServlet.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/attribute/ServletRequestedSessionIdValidAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/ServletPathMatchesData.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/CrawlerSessionManagerConfig.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ApplicationListeners.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ListenerInfo.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ServletSessionConfig.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/LegacyThreadSetupActionWrapper.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/ServletOutputStreamImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/SecurityActions.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/attribute/ServletRequestURLAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/ServletRequestContext.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ManagedServlets.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/SecurityConstraint.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/ContentTypeInfo.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/SecurityActions.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/predicate/DispatcherTypePredicate.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/DefaultServletConfig.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ServletRequestContextThreadSetupAction.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/PushBuilderImpl.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/ServletPathMatches.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/attribute/ServletRequestLocaleAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/SecurityRoleRef.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ServletContainerImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/security/SSLInformationAssociationHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ConfidentialPortManager.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/ServletExtension.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ClassIntrospecter.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/SessionListenerBridge.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/MarkSecureHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/Servlets.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/attribute/ServletRequestCharacterEncodingAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/HttpExchange.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/compat/rewrite/Substitution.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ManagedFilters.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/DeploymentImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/websockets/WebSocketHttpExchange.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/attribute/ServletRequestAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/ServletInitialHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/SessionPersistenceManager.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ThreadSetupHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/UpgradeServletOutputStream.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/spec/FilterRegistrationImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/attribute/ServletRequestedSessionIdAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/core/ServletExtensionHolder.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/spec/UpgradeServletInputStream.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/LoginConfig.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/util/ImmediateInstanceHandle.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/attribute/ServletRequestedSessionIdFromCookieAttribute.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/DeploymentManager.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/Deployment.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/LoggingExceptionHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/DeploymentManager.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/compat/rewrite/Resolver.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/handlers/DefaultServlet.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/compat/rewrite/RewriteMap.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/api/FilterInfo.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/handlers/security/ServletAuthenticationCallHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/predicate/DirectoryPredicate.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/spec/RequestDispatcherImpl.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources.jar/io/undertow/servlet/websockets/SecurityActions.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/ServletContextImpl.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/DeploymentInfo.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/compat/rewrite/RewriteConfigFactory.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/ErrorPages.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ServletStackTraces.java
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* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/SecurityActions.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/spec/ServletCookieAdaptor.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/ServletChain.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/InstanceHandle.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/Lifecycle.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/FilterHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/SessionRestoringHandler.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/UndertowServletLogger.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/api/ServletInfo.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/core/MetricsChainHandler.java
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*/

protected String noConfidentialPortAvailable$Str() {
    return "UT010053: No confidential port is available to redirect the current request."
    public final IllegalStateException noConfidentialPortAvailable() {
        final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
            noConfidentialPortAvailable$Str()));

        Found in path(s):
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-
jar/io/undertow/servlet/api/SecurityActions.java
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-
jar/io/undertow/servlet/handlers/RedirectDirHandler.java
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*/
/**
* Servlet specific extension to { @link SinglePortConfidentialityHandler }
* Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.

* Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual SSLSession.

* @param exchange - The { @link HttpServerExchange} for the request being processed.

* @return true if the request is 'sufficiently' confidential, false otherwise.

Found in path(s):
* /opt/cola/permits/1332727138_1653392606.6474721/0/undertow-servlet-2-2-12-final-sources-jar/io/undertow/servlet/handlers/security/ServletConfidentialityConstraintHandler.java

1.41 aopalliance-repackaged 2.3.0-b10

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Found in path(s):
* /opt/cola/permits/1136687566_1613859254.28/0/aopalliance-repackaged-2-3-0-b10-sources-3-jar/pom.xml

1.42 keyutils 1.5.8 3.el7

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<one line to give the program's name and a brief idea of what it does.>
/*
 * regex.h -- regular expression definitions for lsof
 *
 * This header file is used only when the dialect has no POSIX-conformant
 * regular expression function set. When that is the case, the dialect's
 * machine.h will define USE_LIB_REGEX.
 *
 * When the dialect has a POSIX-conformant regular expression function set,
 * USE_LIB_REGEX is not defined and this header file #include's <regex.h>.
 *
 * V. Abell <abe@purdue.edu>
 * Purdue University
 */
/*
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 */

#ifdef USE_LIB_REGEX
/*
 * This section comes from GLIBC 2.2. It is used only when the dialect
 * has no POSIX-conformant regular expression function set. When that is
 * the case, the dialect's machine.h will define USE_LIB_REGEX.
 */

/* Definitions for data structures and routines for the regular
 expression library, version 0.12.

 This file is part of the GNU C Library. Its master source is NOT part of
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 */

1.47 avahi 0.6.31-20.el7

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1.48 gnupg 2.0.22 5.el7

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#include <config.h>
#include <errno.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <assert.h>
#ifdef HAVE_STAT
# include <sys/stat.h>
#endif
#include "util.h"
#include "i18n.h"
#include "sysutils.h"
#include ../common/openpgpdefs.h"
#include "gpgtar.h"

/* Constants to identify the commands and options. */
enum cmd_and_opt_values
{
    aNull = 0,
    aEncrypt = 'e',
    aDecrypt = 'd',
    aSign = 's',
    aList = 'l',
    oSymmetric = 'c',
    oRecipient= 'r',
    oUser = 'u',
    oOutput= 'o',
    oQuiet= 'q',
    oVerbose= 'v',
    oFilesFrom = 'T',
    oNoVerbose= 500,

    aSignEncrypt,
    oSkipCrypto,
    oOpenPGP,
    oCMS,
    oSetFilename,

/ * The list of commands and options. */
static ARGPARSE_OPTS opts[] = {
    ARGPARSE_group (300, N_("@Commands:\n ")),
    ARGPARSE_c (aEncrypt, "encrypt", N_("create an archive")),
    ARGPARSE_c (aDecrypt, "decrypt", N_("extract an archive")),
    ARGPARSE_c (aSign, "sign", N_("create a signed archive")),
    ARGPARSE_c (aList, "list-archive", N_("list an archive")),
    ARGPARSE_group (301, N_("@\nOptions:\n ")),
    ARGPARSE_s_n (oSymmetric, "symmetric", N_("use symmetric encryption")),
    ARGPARSE_s_s (oRecipient, "recipient", N_("[USER-ID]encrypt for USER-ID")),
    ARGPARSE_s_s (oUser, "local-user", N_("[USER-ID]use USER-ID to sign or decrypt")),
    ARGPARSE_s_s (oOutput, "output", N_("FILE\nwrite output to FILE")),
    ARGPARSE_s_n (oVerbose, "verbose", N_("verbose")),
    ARGPARSE_s_n (oQuiet, "quiet", N_("be somewhat more quiet")),
    ARGPARSE_s_s (oSkipCrypto, "skip-crypto", N_("skip the crypto processing")),
    ARGPARSE_s_s (oSetFilename, "set-filename", "@"),
    ARGPARSE_s_s (oFilesFrom, "files-from", N_("FILE\nget names to create from FILE")),
    ARGPARSE_s_n (oNull, "null", N_("-T reads null-terminated names")),
    ARGPARSE_s_n (oOpenPGP, "openpgp", "@"),
    ARGPARSE_s_n (oCMS, "cms", "@"),
    ARGPARSE_end ()
};

static void tar_and_encrypt (char **inpattern);
static void decrypt_and_untar (const char *fname);
static void decrypt_and_list (const char *fname);

/* Print usage information and and provide strings for help. */
static const char *
my_strusage( int level )
{
    const char *p;
switch (level)
{
    case 11: p = "gpgtar (GnuPG)";
        break;
    case 13: p = VERSION; break;
    case 17: p = PRINTABLE_OS_NAME; break;
    case 19: p = "Please report bugs to <EMAIL>.
    break;
    case 1:
    case 40:
        p = "Usage: gpgtar [options] [files] [directories] (-h for help)");
        break;
    case 41:
        p = "Syntax: gpgtar [options] [files] [directories]
"        "Encrypt or sign files into an archive
"
        break;
    default: p = NULL; break;
}
return p;

static void
set_cmd (enum cmd_and_opt_values *ret_cmd, enum cmd_and_opt_values new_cmd)
{
    enum cmd_and_opt_values cmd = *ret_cmd;
    if (!cmd || cmd == new_cmd)
        cmd = new_cmd;
    else if (cmd == aSign && new_cmd == aEncrypt)
        cmd = aSignEncrypt;
    else if (cmd == aEncrypt && new_cmd == aSign)
        cmd = aSignEncrypt;
    else
    {
        log_error (_("conflicting commands\n");
        exit (2);
    }

    *ret_cmd = cmd;
}

/* gpgtar main. */
int
main (int argc, char **argv)
ARGPARSE_ARGS pargs;
const char *fname;
int no_more_options = 0;
enum cmd_and_opt_values cmd = 0;
int skip_crypto = 0;
const char *files_from = NULL;
int null_names = 0;

assert (sizeof (struct ustar_raw_header) == 512);

gnu_g_reopen_std ("gpgtar");
set_strusage (my_strusage);
log_set_prefix ("gpgtar", 1);

/* Make sure that our subsystems are ready. */
i18n_init();
init_common_subsystems ();

/* Parse the command line. */
pargs.argv = &argc;
pargs.argv = &argv;
pargs.flags = ARGPARSE_FLAG_KEEP;
while (!no_more_options && optfile_parse (NULL, NULL, NULL, &pargs, opts))
{
    switch (pargs.r_opt)
    {
    case oOutput:    opt.outfile = pargs.r.ret_str; break;
    case oSetFilename: opt.filename = pargs.r.ret_str; break;
    case oQuiet:     opt.quiet = 1; break;
    case oVerbose:   opt.verbose++; break;
    case oNoVerbose: opt.verbose = 0; break;
    case oFilesFrom: files_from = pargs.r.ret_str; break;
    case oNull: null_names = 1; break;
    case aList:
        case aDecrypt:
        case aEncrypt:
        case aSign:
            set_cmd (&cmd, pargs.r_opt);
            break;
    case oSymmetric:
        set_cmd (&cmd, aEncrypt);
        opt.symmetric = 1;
        break;
    case oSkipCrypto:
skip_crypto = 1;
break;

case oOpenPGP: /* Dummy option for now. */ break;
case oCMS:     /* Dummy option for now. */ break;

default: pargs.err = 2; break;
}
}

if ((files_from && !null_names) || (!files_from && null_names))
log_error("--files-from and --null may only be used in conjunction\n");
if (files_from && strcmp(files_from, "."))
log_error("--files-from only supports argument \"-\"\n");

if (log_get_errorcount(0))
exit(2);

switch (cmd)
{

case aList:
if (argc > 1)
usage(1);
fname = argc ? *argv : NULL;
if (opt.filename)
log_info("note: ignoring option --set-filename\n");
if (files_from)
log_info("note: ignoring option --files-from\n");
if (skip_crypto)
gpgtar_list(fname);
else
decrypt_and_list fname);
break;

case aEncrypt:
if ((!argc && !null_names)
    || (argc && null_names))
usage(1);
if (opt.filename)
log_info("note: ignoring option --set-filename\n");
if (skip_crypto)
gpgtar_create(null_names ? NULL : argv);
else
tar_and_encrypt(null_names ? NULL : argv);
break;

case aDecrypt:
if (argc != 1)

usage (1);
if (opt.outfile)
    log_info ("note: ignoring option --output
");
if (files_from)
    log_info ("note: ignoring option --files-from
");
fname = argc ? *argv : NULL;
if (skip_crypto)
    gpgtar_extract (fname);
else
    decrypt_and_untar (fname);
bong;

default:
    log_error (_("invalid command (there is no implicit command)\n"));
bong;
}

return log_get_errorcount (0) ? 1 : 0;
}

/* Read the next record from STREAM.  RECORD is a buffer provided by
the caller and must be at least of size RECORDSIZE.  The function
return 0 on success and and error code on failure; a diagnostic
printed as well.  Note that there is no need for an EOF indicator
because a tarball has an explicit EOF record. */
gpg_error_t
read_record (estream_t stream, void *record)
{
    gpg_error_t err;
    size_t nread;

    nread = es_fread (record, 1, RECORDSIZE, stream);
    if (nread != RECORDSIZE)
    {
        err = gpg_error_from_syserror ()
if (es_ferror (stream))
            log_error ("error reading `%s': %s\n",
                    es_fname_get (stream), gpg_strerror (err));
else
            log_error ("error reading `%s': premature EOF",
                        "(size of last record: %zu)\n",
                    es_fname_get (stream), nread);
    }
    else
        err = 0;

    return err;
/* Write the RECORD of size RECORDSIZE to STREAM. FILENAME is the name of the file used for diagnostics. */
gpg_error_t write_record (estream_t stream, const void *record)
{
  gpg_error_t err;
  size_t nwritten;

  nwritten = es_fwrite (record, 1, RECORDSIZE, stream);
  if (nwritten != RECORDSIZE)
  {
    err = gpg_error_from_syserror ();
    log_error ("error writing '%s': %s
", 
      es_fname_get (stream), gpg_strerror (err));
  }
  else
    err = 0;

  return err;
}

/* Return true if FP is an unarmored OpenPGP message. Note that this function reads a few bytes from FP but pushes them back. */
#if 0
static int openpgp_message_p (estream_t fp)
{
  int ctb;

  ctb = es_getc (fp);
  if (ctb != EOF)
  {
    if (es_ungetc (ctb, fp))
      log_fatal ("error ungetting first byte: %s
", 
        gpg_strerror (gpg_error_from_syserror ()));

    if ((ctb & 0x80))
    {
      switch ((ctb & 0x40) ? (ctb & 0x3f) : ((ctb>>2)&0xf))
      {
        case PKT_MARKER:
        case PKT_SYMKEY_ENC:
        case PKT_ONEPASS_SIG:
        case PKT_PUBKEY_ENC:
case PKT_SIGNATURE:
    case PKT_COMMENT:
    case PKT_OLD_COMMENT:
    case PKT_PLAINTEXT:
    case PKT_COMPRESSED:
    case PKT_ENCRYPTED:
        return 1; /* Yes, this seems to be an OpenPGP message. */
    default:
        break;
    }
}
}
return 0;
}
#endif

static void
tar_and_encrypt (char **inpattern)
{
    (void)inpattern;
    log_error ("tar_and_encrypt has not yet been implemented\n");
}

static void
decrypt_and_untar (const char *fname)
{
    (void)fname;
    log_error ("decrypt_and_untar has not yet been implemented\n");
}

static void
decrypt_and_list (const char *fname)
{
    (void)fname;
    log_error ("decrypt_and_list has not yet been implemented\n");
}

/* A wrapper around mkdir which takes a string for the mode argument. */
This makes it easier to handle the mode argument which is not defined on all systems. The format of the modestring is

"-rwxrwxrwx"

'-' is a don't care or not set. 'r', 'w', 'x' are read allowed, write allowed, execution allowed with the first group for the user, the second for the group and the third for all others. If the string is shorter than above the missing mode characters are meant to be not set. */

```c
int gnupg_mkdir (const char *name, const char *modestr) {
    #ifdef HAVE_W32CE_SYSTEM
        wchar_t *wname;
        (void)modestr;
        wname = utf8_to_wchar (name);
        if (!wname)
            return -1;
        if (!CreateDirectoryW (wname, NULL))
            { xfree (wname);
              return -1; /* ERRNO is automagically provided by gpg-error.h. */
            }
        xfree (wname);
        return 0;
    #elif MKDIR_TAKES_ONE_ARG
        (void)modestr;
        /* Note: In the case of W32 we better use CreateDirectory and try to set appropriate permissions. However using mkdir is easier because this sets ERRNO. */
        return mkdir (name);
    #else
        mode_t mode = 0;
        if (modestr && *modestr) {
            modestr++;
            if (*modestr && *modestr++ == 'r')
                mode |= S_IRUSR;
            if (*modestr && *modestr++ == 'w')
                mode |= S_IWUSR;
            if (*modestr && *modestr++ == 'x')
                mode |= S_IXUSR;
            if (*modestr && *modestr++ == 'r')
                mode |= S_IRGRP;
            if (*modestr && *modestr++ == 'w')
                mode |= S_IWGRP;
            if (*modestr && *modestr++ == 'x')
                mode |= S_IXGRP;
            if (*modestr && *modestr++ == 'r')
                mode |= S_IROTH;
            if (*modestr && *modestr++ == 'w')
                mode |= S_IWOTH;
            if (*modestr && *modestr++ == 'x')
                mode |= S_IXOTH;
            if (*modestr)
                mode = 0;
            return 0;
        }
```
mode |= S_IWGRP;
if (*modestr && *modestr++ == 'x')
    mode |= S_IXGRP;
if (*modestr && *modestr++ == 'r')
    mode |= S_IROTH;
if (*modestr && *modestr++ == 'w')
    mode |= S_IWOTH;
if (*modestr && *modestr++ == 'x')
    mode |= S_IXOTH;
}
return mkdir (name, mode);
#endif

#ifdef HAVE_W32_SYSTEM
/* Return a malloced string encoded in UTF-8 from the wide char input 
 * string STRING. Caller must free this value. Returns NULL and sets 
 * ERRNO on failure. Calling this function with STRING set to NULL is 
 * not defined. */
char *
wchar_to_utf8 (const wchar_t *string)
{
    int n;
    char *result;

    n = WideCharToMultiByte (CP_UTF8, 0, string, -1, NULL, 0, NULL, NULL);
    if (n < 0)
    {
        errno = EINVAL;
        return NULL;
    }

    result = xtrymalloc (n+1);
    if (!result)
        return NULL;

    n = WideCharToMultiByte (CP_UTF8, 0, string, -1, result, n, NULL, NULL);
    if (n < 0)
    {
        xfree (result);
        errno = EINVAL;
        result = NULL;
    }
    return result;
}

/* Return a malloced wide char string from an UTF-8 encoded input
string STRING. Caller must free this value. Returns NULL and sets
ERRNO on failure. Calling this function with STRING set to NULL is
not defined. */

wchar_t *
utf8_to_wchar (const char *string)
{
    int n;
    size_t nbytes;
    wchar_t *result;

    n = MultiByteToWideChar (CP_UTF8, 0, string, -1, NULL, 0);
    if (n < 0)
    {
        errno = EINVAL;
        return NULL;
    }

    nbytes = (size_t)(n+1) * sizeof(*result);
    if (nbytes / sizeof(*result) != (n+1))
    {
        errno = ENOMEM;
        return NULL;
    }
    result = xtrymalloc (nbytes);
    if (!result)
        return NULL;

    n = MultiByteToWideChar (CP_UTF8, 0, string, -1, result, n);
    if (n < 0)
    {
        free (result);
        errno = EINVAL;
        result = NULL;
    }
    return result;
}
#endif /*HAVE_W32_SYSTEM*/

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1.54 bctls-fips 1.0.12.3

1.54.1 Available under license:
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```
public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");
```

Found in path(s):
* /opt/cola/permits/133309324_1653435081.9571388/0/bctls-fips-1-0-12-3-sources-jar/org/bouncycastle/tls/ProtocolName.java

1.55 nss-pem 1.0.3-7.el7

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* /opt/ws_local/PERMITS_SQL/1066754946_1595254330.39/0/enunciate-jersey-1-19-sources-jar/org/codehaus/enunciate/modules/jersey/config/JerseyRuleSet.java

1.66 curl 7.29.0 57.el7
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the other libraries use and what possible dilemmas linking and mixing them all
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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

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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

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fbopenssl

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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
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1.67 iconv 2.17

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The actual DOM Java Language Binding classes in xml-commons came from:
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The specification of DOM Level 1’s various parts is at:
Links to all available W3C DOM Java Bindings can be found at:
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The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
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http://dev.w3.org/cvsmil/main/java/classes/org/w3c/dom/smил/
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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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That's all there is to it!
HAPROXY's license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.
Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include files, while keeping the GPL for all the rest. This way, it still is mandatory to redistribute modified code under customer request, but at the same time, it is expressly permitted to write, compile, link and load non-GPL code using the LGPL header files and not to distribute them if it causes a legal problem.

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Willy Tarreau - w@1wt.eu

1.80 u-boot 2015.01
1.80.1 Available under license:

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Version 2, June 1991

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1.82 radvd 2.17-3.el7

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1.84 libpng 1.5.13

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* configure.ac, Makefile.am: The original versions were derived from the 
one 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
3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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<!.- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
<xsl:param name="text"/>
<xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
</xsl:template>

</xsl:stylesheet>

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static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
        || strcmp(license, "GPL v2") == 0
        || strcmp(license, "GPL and additional rights") == 0
        || strcmp(license, "Dual BSD/GPL") == 0
        || strcmp(license, "Dual MIT/GPL") == 0
        || strcmp(license, "Dual MPL/GPL") == 0);
}

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * Implementing minimal-copy of received data:

Open Source Used In Cisco Unified Communication Manager 14SU2 916
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
*  1) skb->destructor / skb->atm.recycle_buffer
*      combined, allow nicstar_free_rx_skb to be called to
*      recycle large data buffers
*  2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
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d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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      (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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That's all there is to it!

1.118 pdksh 5.2.14

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This is a partial history of this shell gleaned from old change logs and readmes (most of which are still in the misc directory) and the source code. Hopefully it is correct and no contributors have been left out (file a bug report if you spot a problem :-)).

Release history:

* Eric Gisin (egisin@math.uwaterloo.ca), created pdksh, using Charles Forsyth's public domain V7 shell as a base; also used parts
of the BRL shell (written by Doug A Gwyn, Doug Kingston, Ron Natalie, Arnold Robbins, Lou Salkind, and others?, circa '87; the parts used in pdksh included getopt, test builtin, ulimit, tty setting/getting, emacs editing, and job control; the test builtin was based on code by Erik Baalbergen).

'87..'89
Released versions: .. 3.2
* John R MacMillan (@yonge.csri.toronto.edu:chance!john@sq.sq.com) takes over as maintainer
dates?
Released versions: 3.3 (?)
* Simon J. Gerraty (sjg@zen.void.oz.au) takes over as maintainer
Nov '91.July '94?
Released versions: 4.0 .. 4.9
* Michael Rendell (michael@cs.mun.ca) takes over as maintainer
July, 1994
Released versions: 5.0 .. 5.2

Major contributions:
* John R MacMillan (@yonge.csri.toronto.edu:chance!john@sq.sq.com), ?: cleaned up configuration, many bug fixes (see misc/Changes.jrm).
* Simon Gerraty, (sjg@zen.void.oz.au), Nov '91..?: much improved emacs mode ala at&t ksh, 386bsd port, sigaction routines for non-POSIX systems (see misc/ChangeLog.sjg and misc/ReadME.sjg).
* Peter Collinson (pc@hillside.co.uk), July '92: added select, at&t ksh style history file, original csh-style {} globbing, BSD/386 port, misc bug fixes.
* Larry Bouzane (larry@compusult.nf.ca), Mar '89..'93: re-wrote job control, added async job notification, added CDPATH and other cd fixes, misc bug fixes.
* John Rochester (jr@cs.mun.ca), '87: wrote vi command line editor; various bug fixes/enhancements.
* Jeff Sparkes (jsparkes@bnr.ca), Mar '89..Mar '90: added arrays, merged John Rochester's vi code into pdksh, misc bug fixes.
* Michael Haardt (u31b3hs@POOL.Informatik.RWTH-Aachen.DE), Sept '94: organized man page, filled in many of its copious blank spots; added KSH ifdef.
* Dale DePriest (daled@cadence.com): ported to OS/2 (initially based on port of pdksh4.9 to OS/2 by Kai Rommel (rommel@ars.muc.de)); maintains OS/2 port; misc bug fixes.

Other contributors:
* Piercarlo Grandi (pcg@aber.ac.uk), Dec '93: fixes for linux port
* Neil Smithline (Neil.Smithline@eng.sun.com), Aug '92: emacs-style filename completion.
* Mike Jetzer [mlj] (jetzer@studsys.mscs.mu.edu), ?:Nov '94: fixes for vi mode (see misc/Changes.mlj), added v to vi, fixes for history; fixed command redoing in vi; fixes to vi globbing.
* Robert J Gibson: mailbox checking code that was adapted for pdksh by
  John R. MacMillan.
* ? (guy@deemon.co.uk), ?: promptlen() function.
* J.T. Conklin (jtc@cygnus.com): POSIXized test builtin; miscellaneous
  fixes/enhancements.
* Sean Hogan (sean@neweast.ca): fixes for ICS 3.0 Unix, found and helped
  fix numerous problems.
* Gordan Larson (hoh@approve.se): fix to compile sans VI, ksh.1 typo.
* Thomas Gellekum (thomas@ghpc8.ihf.rwth-aachen.de): fixes for Makefile
  typos, fixed CLK_TCK for FreeBSD, man page fixes.
* Ed Ferguson (Ed.Ferguson@dseg.ti.com): fix to compile sans VI.
* Brian Campbell (brianc@qnx.com): fixes to compile under QNX and
  to compile with dmake.
* (guy@netapp.com), Oct '94: patch to use gmacs flag.
* Andrew Moore (alm@netcom.com): reported many bugs, fixes.
* William Bader (wbader@CSEE.Lehigh.Edu): fix to compile on SCO Unix
  (strut winsize).
* Mike Long (mike.long@analog.com): makefile fix - use $manext, not 1.
* Art Mills (aem@hpbs9162.bio.hp.com): bug fix for vi file completion in
  command mode.
* Tory Bollinger (tboll@authstin.ibm.com): allow ~ in vi mode to take
  a count.
* Frank Edwards (<crash@azhrei.EEC.COM>): added macros to vi (@char).
* Fritz Heinrichmeyer (<Fritz.Heinrichmeyer@FernUni-Hagen.de>): fixes
  to allow compile under Linux 1.4.3.
* Gabor Zahemszky (<zgabor@CoDe.hu>): SVR3_PGRP vs SYSV_PGRP, many
  bug reports and man page fixes.
* Dave Kinchlea (<kinch@julian.uwo.ca>): DEFAULT_ENV patches.
* Paul Borman (<prb@bsd.com>): j_exit: send HUP, then CONT; HUP fg process.
* DaviD W. Sanderson (<dws@ssec.wisc.edu>): patches to allow { .. } instead
  of in .. esac in case statements.
* ? (<ra@rhi.hi.is>): partial patches to handle SIGWINCH for command line
  editing.
* Jason Tyler (<jason@nc.bhpese.oz.au>): fixes for bugs in fc.
* Stefan Dalibor (<Stefan.Dalibor@informatik.uni-erlangen.de>): fix for
  COLUMNS never being set in x_init().
* Arnon Kaify (<arnon@gilly.datatools.com>): fix for prompt.
* Marc Olzheim (<marcolz@stack.nl>): patches to ifdef KSH the mail check
  code and aliases; enum patches for old K&R compilers; handle missing dup2.
* Lars Hecking (<lhecking@nmrc.uch.ie>): fixes so shell compiles as sh
  again.
* Bill Kish (<kish@browncow.com>): added prompt delimiter hack for
  hidden characters (eg, escape codes).
* Andrew S. Townley (<atownley@informix.com>): fixes for NeXT machines:
  get a controlling if one needed, use correct profile.
* Eric J. Chet (<ejc@bazzle.com>): fix for core dump in . (quitenv() called
  too soon).
* Greg A. Woods <woods@most.weird.com>: fix to make ^\[ in emacs work
as in at&t ksh.
* George Robbins <grr@shandakor.tharsis.com>: fix for sh mode to keep exec'd file descriptors open.
* George White <gwhite@bodnext.bio.dfo.ca>: fix here-doc problem under OS/2 (memory allocated incorrectly).
* David E. Wexelblat <dwex@DataFocus.com>: fix to avoid memory overrun in aresize(); fix to not print un-named options.
* Clifford Wolf (<clifford@clifford.at>): fix memory overrun in aresize(); fixed sys_siglist[] problem.
* Theo de Raadt (<deraadt@cvs.openbsd.org>): allow ". /dev/null”.
* Eric Youngdale (<ericry@datafocus.com>): flag field incorrectly changed in exec.c (flushcom).
* Todd. C Miller (Todd C. Miller <Todd.Miller@courtesan.com>): fix for coredump in jobs.
* Kevin Schoedel <schoedel@kw.igs.net>: fix for word location in file completion.
* Martin Lucina <mato@kotelna.sk>: fix for argument parsing in exit command, fix for KSH_CHECK_H_TYPE.
* Mark Funkenhauser <mark@interix.com>: added $LINENO support.
* Corinna Vinschen <Corinna@Vinschen.de> and Steven Hein <ssh@sgi.com>: port to cygwin environment on win95/winnt.
* Martin Dalecki <dalecki@cs.net.pl>: changes for 8 bit emacs mode.
* Dave Hillman <daveh@gte.net>: patch for bug in test -nt.
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That's it. Short and simple.

1.119 libasyncns 0.8-7.el7
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The original versions are tagged 'DOM_LEVEL_2'

The specification of DOM Level 2's various parts is at:
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    http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/
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1.124 jaxb-core 10.6

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* /opt/cola/permits/1212115780_1633704357.6/jaxb-10-6-sources-7-
  jar/uk/org/retep/util/xml/jaxb/adaptor/URIAdapter.java
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  jar/uk/org/retep/util/xml/jaxb/adaptor/URLAdapter.java
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  jar/uk/org/retep/util/xml/jaxb/adaptor/URIAdapter.java
1.125 libjpeg 6b

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README for release 6b of 27-Mar-1998
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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher,
Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi,
Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG
Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for 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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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified
official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document 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:
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C-Cube Microsystems, Inc.
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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://ftpsgi.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 ftpsgi.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://ftpsgi.com/graphics/tiff/.

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

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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.)

FILE FORMAT WARS
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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
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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.

1.126 libvisual 0.4.0 16.el7

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Version 2.1, February 1999

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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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Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).

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Glenn Randers-Pehrson
glenrp at users.sourceforge.net
September 27, 2012

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src/base/fthash.c
src/base/md5.c
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#
src/bdf/bdf.c
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src/bdf/bdfdrivr.c
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1.134 ecj 4.20

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1.136 tiles-request-servlet 1.0.7
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1.137 file 5.11 35.el7

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1.138 jackson-databind 2.9.10.8

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1.139 cxf-rt-transports-http-hc 3.5.0

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1.144 libsm 1.2.2-2.el7

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1.145 libunistring 0.9.3 9.el7

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@example
@end example

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

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

@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it under certain conditions; type @samp{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, your program's commands might be different; for a GUI interface, you would use an "about box".

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1.158 forgerock-util 21.0.0-alpha-23

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### 1.162 xerces-c 3.2.2

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1.163 xmlrpc-c 1.32.5 1905.svn2451.el7

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* Set the `TCP_MD5SIG` option on the socket. See `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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/**
* Set the `TCP_QUICKACK` option on the socket. See `<a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>`
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStar PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
* M. Welsh, 6 July 1996
*
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QLogic Linux Networking HBA Driver

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Linus Torvalds

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single nxt200x frontend driver.

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* https://github.com/eclipse-ee4j/glassfish-logging-annotation-processor
* https://github.com/eclipse-ee4j/glassfish-shoal
* https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck
* https://github.com/eclipse-ee4j/glassfish-jsftemplating
* https://github.com/eclipse-ee4j/glassfish-hk2-extra
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1.179 policycoreutils 2.5-33.el7
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1.182 jetty-io 9.4.44.v20210927

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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

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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

org.eclipse.jetty.toolchain.jetty-schemas

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Assorted

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1.183 snmp-4j 2.3.4

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* /opt/cola/permits/1000765672_1607973426.6/0/snmp4j-2-3-0-jar/META-INF/maven/org.snmp4j/snmp4j/pom.xml

1.184 opensaml-xmlsec-impl 3.4.6

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* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/CipherReferenceMarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptedKeyUnmarshaller.java
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  jar/org/opensaml/xmlsec/encryption/impl/EncryptedDataMarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptionMethodMarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/DataReferenceMarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/ECKeyValueUnmarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/encryption/impl/DataReferenceBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/signature/impl/TransformsBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/config/impl/PackageInfoImpl.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/keyinfo/impl/KeyInfoUnmarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
  jar/org/opensaml/xmlsec/config/impl/package-info.java
Open Source Used In Cisco Unified Communication Manager 14SU2 1924
jar/org/opensaml/xmlsec/signature/impl/DSAKeyValueImpl.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/impl/BasicWhitelistBlacklistConfiguration.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/OAEPparamsBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/signature/impl/CryptoBinaryImpl.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/signature/impl/X509IssuerSerialBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/signature/impl/PgenCounterBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/RecipientKeyInfoBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/signature/impl/DEREncodedKeyValueMarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
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* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/MGFUnmarshaller.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/GeneratorImpl.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/signature/impl/X509DigestBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/KeySizeBuilder.java
* /opt/cola/permits/1277991093_1645786564.39/0/opensaml-xmlsec-impl-3-4-6-sources-
jar/org/opensaml/xmlsec/encryption/impl/YBuilder.java
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jar/org/opensaml/xmlsec/encryption/impl/CipherDataUnmarshaller.java
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- Alan Cox <alan@redhat.com>
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- Chris Kleitsch
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- Gerd Knorr <kraxel@cs.tu-berlin.de>
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  ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

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Ty Coon, President of Vice

That's all there is to it!
Thanks go to the following people for patches and contributions:

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for the initial saa7146 driver and it's recent overhaul

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for his work on the initial Linux DVB driver

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Ralph Metzler <rjkm@metzlerbros.de>
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Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver
Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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for his LIRC infrared handler

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Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
Wolfram Joost <dbox2@frokaschwei.de>
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for many bugfixes

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Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

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Kenneth Aafly <ke-aa@frisurf.no>
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for tuning/DiSEqC support for the DEC 3000-s

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for the IR code for the ttusb-dec driver

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for the lgdt330x frontend driver, and various bugfixes

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

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

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

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

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* *
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* *
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
Linux driver for the IDT77201 NICStAR PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver
expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.

* Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
  * as needed. This means that data must always be copied to create
  * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  * Fix is simple: make large buffers large enough to hold entire
  * SDU, and leave <small_buffer_data> bytes empty at the start. Then
  * copy small buffer contents to head of large buffer.
  * Trick is to avoid fragmenting Linux, due to need for a lot of large
  * buffers. This is done by 2 things:
  * 1) skb->destructor / skb->atm.recycle_buffer
     combined, allow nicstar_free_rx_skb to be called to
     recycle large data buffers
  * 2) skb_clone of received buffers
  * See nicstar_free_rx_skb and linearize_buffer for implementation
  * details.

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* M. Welsh, 6 July 1996
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1.193 jibx 1.2

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1.196 xml-apis 2.0.2
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/**
 * Base class for deriving an XML filter.
 *
This class is designed to sit between an `XMLReader` and the client application's event handlers. By default, it does nothing but pass requests up to the reader and events on to the handlers unmodified, but subclasses can override specific methods to modify the event stream or the configuration requests as they pass through.

@since SAX 2.0

@since SAX 2.0
@version 2.0
@see org.xml.sax.XMLFilter
@see org.xml.sax.XMLReader
@see org.xml.sax.EntityResolver
@see org.xml.sax.DTDHandler
@see org.xml.sax.ContentHandler
@see org.xml.sax.ErrorHandler

/**
 * Basic interface for SAX error handlers.
 *
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 *
 * If a SAX application needs to implement customized error handling, it must implement this interface and then register an instance with the XML reader using the `setErrorHandler` method. The parser will then report all errors and warnings through this interface.
 *
 * WARNING: If an application does not register an ErrorHandler, XML parsing errors will go unreported and bizarre behaviour may result.
 *
 */

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For XML processing errors, a SAX driver must use this interface instead of throwing an exception: it is up to the application to decide whether to throw an exception for different types of errors and warnings. Note, however, that there is no requirement that the parser continue to provide useful information after a call to `fatalError` (in other words, a SAX driver class could catch an exception and report a fatalError).

`fatalError` method signature:

```java
public void fatalError(DOMException e)
```

@see `org.xml.sax.Parser#setErrorHandler`

@version 2.0

@since SAX 1.0

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

@see org.xml.sax.SAXParseException

Since the parser might continue to provide useful information after making a call to `fatalError`, the SAX driver must handle `fatalError` calls in a way that does not affect the parsing result if it chooses to allow the parser to continue.

If the namespace-prefixes feature is `false`, access by qualified name may not be available; if the feature is `true` the parser will provide useful information after making a call to `fatalError`.

The list will not contain attributes that were declared `#IMPLIED` but not specified in the start tag. It will also not contain attributes used as Namespace declarations (xmlns*) unless the feature is set to `true` (it is `false` by default).

If the namespace-prefixes feature (see above) is `false`, access by qualified name may not be available; if the feature is `true` the parser will provide useful information after making a call to `fatalError`.

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* feature is <var>false</var>, access by Namespace-qualified names
* may not be available.</p>
* 
* <p>This interface replaces the now-deprecated SAX1 {@link
* org.xml.sax.AttributeList AttributeList} interface, which does not
* contain Namespace support. In addition to Namespace support, it
* adds the <var>getIndex</var> methods (below).</p>
* 
* <p>The order of attributes in the list is unspecified, and will
* vary from implementation to implementation.</p>
* 
* @since SAX 2.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.helpers.AttributeListImpl
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Attributes.java
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/**
* Default implementation for AttributeList.
* 
* <blockquote>
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* </blockquote>
* 
* <p>AttributeList implements the deprecated SAX1 {@link
* org.xml.sax.AttributeList AttributeList} interface, and has been
* replaced by the new SAX2 {@link org.xml.sax.helpers.AttributesImpl
* AttributesImpl} interface.</p>
* 
* <p>This class provides a convenience implementation of the SAX
* {@link org.xml.sax.AttributeList AttributeList} interface. This
* implementation is useful both for SAX parser writers, who can use
* it to provide attributes to the application, and for SAX application
* writers, who can use it to create a persistent copy of an element's
* attribute specifications:</p>
* 
* <pre>
* private AttributeList myatts;
* 
* public void startElement (String name, AttributeList atts)
* {
*    // create a persistent copy of the attribute list
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/* // for use outside this method
   myatts = new AttributeListImpl(atts);
   ...
  */
</pre>

* <p>Please note that SAX parsers are not required to use this
* class to provide an implementation of AttributeList; it is
* supplied only as an optional convenience. In particular,
* parser writers are encouraged to invent more efficient
* implementations.</p>
*
* @deprecated This class implements a deprecated interface,
* { @link org.xml.sax.AttributeList AttributeList};
* that interface has been replaced by
* { @link org.xml.sax.Attributes Attributes },
* which is implemented in the
* { @link org.xml.sax.helpers.AttributesImpl AttributesImpl } helper class.
* @since SAX 1.0
* @author David Megginson,
*      <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.AttributeList
* @see org.xml.sax.DocumentHandler#startElement
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/AttributeListImpl.java
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* Interface for an XML filter.
*
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* </blockquote>
*
* <p>An XML filter is like an XML reader, except that it obtains its
* events from another XML reader rather than a primary source like
* an XML document or database. Filters can modify a stream of
* events as they pass on to the final application.</p>
*
* <p>The XMLFilterImpl helper class provides a convenient base
* for creating SAX2 filters, by passing on all { @link org.xml.sax.EntityResolver

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* Interface for an XML filter.
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* <p>An XML filter is like an XML reader, except that it obtains its
* events from another XML reader rather than a primary source like
* an XML document or database. Filters can modify a stream of
* events as they pass on to the final application.</p>
*
* <p>The XMLFilterImpl helper class provides a convenient base
* for creating SAX2 filters, by passing on all { @link org.xml.sax.EntityResolver

* EntityResolver}, {@link org.xml.sax.DTDHandler DTDHandler},
* {@link org.xml.sax.ContentHandler ContentHandler} and {@link org.xml.sax.ErrorHandler}
* ErrorHandler} events automatically.</p>
*
* @since SAX 2.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.helpers.XMLFilterImpl
*/

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLFilter.java
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/**
* Interface for associating a SAX event with a document location.
* 
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* 
* If a SAX parser provides location information to the SAX
* application, it does so by implementing this interface and then
* passing an instance to the application using the content
* handler's {@link org.xml.sax.ContentHandler#setDocumentLocator
* setDocumentLocator} method. The application can use the
* object to obtain the location of any other content handler event
* in the XML source document.</p>
*
* Note that the results returned by the object will be valid only
* during the scope of each content handler method: the application
* will receive unpredictable results if it attempts to use the
* locator at any other time.</p>
*
* SAX parsers are not required to supply a locator, but they are
* very strongly encouraged to do so. If the parser supplies a
* locator, it must do so before reporting any other document events.
* If no locator has been set by the time the application receives
* the { @link org.xml.sax.ContentHandler#startDocument startDocument }
* event, the application should assume that a locator is not
* available.</p>
*
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.ContentHandler#setDocumentLocator
*/

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

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/**
 * Receive notification of basic DTD-related events.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * If a SAX application needs information about notations and
 * unparsed entities, then the application implements this
 * interface and registers an instance with the SAX parser using
 * the parser's setDTDHandler method. The parser uses the
 * instance to report notation and unparsed entity declarations to
 * the application.</p>
 *
 * Note that this interface includes only those DTD events that
 * the XML recommendation requires processors to report:
 * notation and unparsed entity declarations.</p>
 *
 * The SAX parser may report these events in any order, regardless
 * of the order in which the notations and unparsed entities were
 * declared; however, all DTD events must be reported after the
 * document handler's startDocument event, and before the first
 * startElement event.</p>
 *
 * It is up to the application to store the information for
 * future use (perhaps in a hash table or object tree).
 * If the application encounters attributes of type "NOTATION",
 * "ENTITY", or "ENTITIES", it can use the information that it
 * obtained through this interface to find the entity and/or
 * notation corresponding with the attribute value.</p>
 *
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Parser#setDTDHandler
 * @see org.xml.sax.HandlerBase
 */

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/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/ConvertToURI.java
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/**
 * Default base class for handlers.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>

 * This class implements the default behaviour for four SAX1
 * interfaces: EntityResolver, DTDHandler, DocumentHandler,
 * and ErrorHandler. It is now obsolete, but is included in SAX2 to
 * support legacy SAX1 applications. SAX2 applications should use
 * the ${@link org.xml.sax.helpers.DefaultHandler DefaultHandler}
 * class instead.</p>

 * Application writers can extend this class when they need to
 * implement only part of an interface; parser writers can
 * instantiate this class to provide default handlers when the
 * application has not supplied its own.</p>

 * Note that the use of this class is optional.</p>

 * @deprecated This class works with the deprecated
 * ${@link org.xml.sax.DocumentHandler DocumentHandler}
 * interface. It has been replaced by the SAX2
 * ${@link org.xml.sax.helpers.DefaultHandler DefaultHandler}
 * class.
 * @since SAX 1.0
 * @author David Megginson,
 *       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.EntityResolver
*@see org.xml.sax.DTDHandler
*@see org.xml.sax.DocumentHandler
*@see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/HandlerBase.java
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Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMBuilderFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMInputSource.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DocumentLS.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/xpath/XPathNSResolver.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/xpath/XPathResult.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/xpath/XPathExpression.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/xpath/XPathNamespace.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMEntityResolver.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/LSLoadEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/LSProgressEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/ParseErrorEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ls/DOMWriterFilter.java
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 */
/**
 * <strong>DOM Level 3 WD Experimental:
 * The DOM Level 3 specification is at the stage
 * of Working Draft, which represents work in
 * progress and thus may be updated, replaced,
 * or obsoleted by other documents at any time.</strong> <p>
 * <code>XPathEvaluator</code>, which will provide evaluation of XPath 1.0
 * expressions with no specialized extension functions or variables. It is
 * expected that the <code>XPathEvaluator</code> interface will be
 * implemented on the same object which implements the <code>Document</code>
 * interface in an implementation which supports the XPath DOM module.
 * <code>XPathEvaluator</code> implementations may be available from other
 * sources that may provide support for special extension functions or
 * variables which are not defined in this specification. The methods of
 * XPathExpression should be named with more-XPath-specific names because
 * the interface will often be implemented by the same object which
 * implements document. No change. The point of interfaces is to localize the
 * implementing namespace. This would make the method names unnecessarily
 * long and complex even though there are no conflicts in the interface
 * itself. The new core method getInterface is designed for discovering
 * interfaces of additional modules that may not be directly implemented on
 * the objects to which they are attached. This could be used to implement
 * XPath on a separate object. The user only refers to the separate
 * interfaces and not the proprietary aggregate implementation. Should entity
 * refs be supported so that queries can be made on them? No change. We will
 * not do this now. They are not part of the XPath data model. Note that
 * they may be present in the hierarchy of returned nodes, but may not
 * directly be requested or returned in the node set. What does createResult
 * create when one wants to reuse the XPath? It is not useful. Removed method.
 * Should ordering be a separate flag, or a type of result that can be
 * requested. As a type of result, it can be better optimized in
 * implementations. It makes sense as a type of result. Changed. Removed
 * method. Implementing XPathEvaluator on Document can be a problem due to
 * conflicts in the names of the methods. The working group finds no better
 * solution. GetInterface in Level 3 permits the object to be implemented
separately. We should be committed to this. We will leave this issue open
to see if we get more feedback on it. How does this interface adapt to
XPath 2.0 and other query languages. No change. This interface is not
intended to adapt to XPath 2.0 or other languages. The models of these
are likely to be incompatible enough to require new APIs. For alternate
implementations that can use this API, it can be obtained from different
sources. Support for custom variables and functions would be very useful.
No change. It is possible for an implementation to supply alternative
sources of an XPathEvaluator that can be customized with a custom
variable and function context. We do not specify how this is
accomplished. It is too complex to address in this version of the XPath
DOM.

See also the Document Object Model (DOM) Level 3 XPath Specification.

Found in path(s):
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/w3c/dom/xpath/XPathEvaluator.java

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/*
 * Interface for an element's attribute specifications.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This is the original SAX1 interface for reporting an element's
 * attributes. Unlike the new Attributes interface, it does not support Namespace-related information.
 *
 * When an attribute list is supplied as part of a
 * event, the list will return valid results only during the
 * scope of the event; once the event handler returns control
 * to the parser, the attribute list is invalid. To save a
 * persistent copy of the attribute list, use the SAX1
 * AttributeListImpl helper class.
 *
 * An attribute list includes only attributes that have been
 * specified or defaulted: #IMPLIED attributes will not be included.
 *
 * There are two ways for the SAX application to obtain information
 * from the AttributeList. First, it can iterate through the entire
 * list:
public void startElement (String name, AttributeList atts) {
  for (int i = 0; i < atts.getLength(); i++) {
    String name = atts.getName(i);
    String type = atts.getType(i);
    String value = atts.getValue(i);
    [...]  
  }
}
</pre>

(Note that the result of getLength() will be zero if there
* are no attributes.)

As an alternative, the application can request the value or
* type of specific attributes:<p>

* <pre>
  public void startElement (String name, AttributeList atts) {
    String identifier = atts.getValue("id");
    String label = atts.getValue("label");
    [...]  
  }
</pre>

@deprecated This interface has been replaced by the SAX2
  { @link org.xml.sax.Attributes Attributes }  
  interface, which includes Namespace support.

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

@version 2.0  
@see org.xml.sax.DocumentHandler#startElement startElement  
@see org.xml.sax.helpers.AttributeListImpl AttributeListImpl  
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/AttributeList.java
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/**
* Receive notification of general document events.
*
* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.
</blockquote>
This was the main event-handling interface for SAX1; in SAX2, it has been replaced by `ContentHandler`, which provides Namespace support and reporting of skipped entities. This interface is included in SAX2 only to support legacy SAX1 applications.

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

Application writers who do not want to implement the entire interface can derive a class from `HandlerBase`, which implements the default functionality; parser writers can instantiate `HandlerBase` to obtain a default handler. The application can find the location of any document event using the `Locator` interface supplied by the Parser through the `setDocumentLocator` method.

@deprecated This interface has been replaced by the SAX2 `ContentHandler` interface, which includes Namespace support.

@since SAX 1.0
@author David Megginson, sax@megginson.com
@version 2.0
@see org.xml.sax.Parser#setDocumentHandler
@see org.xml.sax.Locator
@see org.xml.sax.HandlerBase

Found in path(s):

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// NO WARRANTY! This class is in the Public Domain.
/**
 * Factory for creating an XML reader.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.</em>
 * <em>
 * </blockquote>
 */
This class contains static methods for creating an XML reader from an explicit class name, or based on runtime defaults:

```java
try {
    XMLReader myReader = XMLReaderFactory.createXMLReader();
} catch (SAXException e) {
    System.err.println(e.getMessage());
}
```

Note to Distributions bundled with parsers:
You should modify the implementation of the no-arguments `createXMLReader` to handle cases where the external configuration mechanisms aren't set up. That method should do its best to return a parser when one is in the class path, even when nothing bound its class name to `org.xml.sax.driver` so those configuration mechanisms would see it.

@since SAX 2.0
@author David Megginson, David Brownell
@version 2.0r2pre3

This class contains static methods for creating an XML reader from an explicit class name, or based on runtime defaults. You should modify the implementation of the no-arguments `createXMLReader` to handle cases where the external configuration mechanisms aren't set up. That method should do its best to return a parser when one is in the class path, even when nothing bound its class name to `org.xml.sax.driver` so those configuration mechanisms would see it.

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Encapsulate Namespace logic for use by SAX drivers.

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This class encapsulates the logic of Namespace processing:
- it tracks the declarations currently in force for each context
- and automatically processes qualified XML 1.0 names into their Namespace parts; it can also be used in reverse for generating XML 1.0 from Namespaces.

Namespace support objects are reusable, but the reset method must be invoked between each session.

Here is a simple session:
* String parts[] = new String[3];
* NamespaceSupport support = new NamespaceSupport();
* support.pushContext();
* support.declarePrefix("", "http://www.w3.org/1999/xhtml");
* support.declarePrefix("dc", "http://www.purl.org/dc/");
* String parts[] = support.processName("p", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);

* String parts[] = support.processName("dc:title", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);

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

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

/**
* Encapsulate an XML parse error or warning.
* 
* <blockquote>
* <em>This module, both source code and documentation, is in the</em>
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</blockquote>
* 
* This exception will include information for locating the error
* in the original XML document. Note that although the application
* will receive a SAXParseException as the argument to the handlers
* in the { @link org.xml.sax.ErrorHandler ErrorHandler } interface,
* the application is not actually required to throw the exception;
* instead, it can simply read the information in it and take a
* different action.</p>
<p>Since this exception is a subclass of <code>@link org.xml.sax.SAXParseException</code> <code>SAXException</code>, it inherits the ability to wrap another exception.</p>

@since SAX 1.0
@version 2.0
@see org.xml.sax.SAXException
@see org.xml.sax.Locator
@see org.xml.sax.ErrorHandler

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*/

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

/ *
* Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/RangeException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CharacterData.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NamedNodeMap.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Text.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/Event.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/DocumentEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventTarget.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Attr.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ProcessingInstruction.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/TreeWalker.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/MutationEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Comment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/EntityReference.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Node.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NodeList.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentType.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Element.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/Range.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/NodeFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Documents.java

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/**
 * Basic interface for resolving entities.
 *
 * @see http://www.w3.org/DOM/
 */

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

/*
 * If a SAX application needs to implement customized handling
 * for external entities, it must implement this interface and
 * register an instance with the SAX driver using the
 * @link org.xml.sax.XMLReader#setEntityResolver setEntityResolver
 * method. </p>
 *
 * The XML reader will then allow the application to intercept any
 * external entities (including the external DTD subset and external
 * parameter entities, if any) before including them.</p>
Many SAX applications will not need to implement this interface, but it will be especially useful for applications that build XML documents from databases or other specialised input sources, or for applications that use URI types other than URLs.

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

```java
import org.xml.sax.EntityResolver;
import org.xml.sax.InputSource;

public class MyResolver implements EntityResolver {
    public InputSource resolveEntity (String publicId, String systemId) {
        if (systemId.equals("http://www.myhost.com/today")) {
            // return a special input source
            MyReader reader = new MyReader();
            return new InputSource(reader);
        } else {
            // use the default behaviour
            return null;
        }
    }
}
```

The application can also use this interface to redirect system identifiers to local URIs or to look up replacements in a catalog (possibly by using the public identifier).

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

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

documentation contained in this distribution into the Public Domain.

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/**
 * Provide an optional convenience implementation of Locator.
 *
 * <blockquote>
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 * </blockquote>
 *
 * <p>This class is available mainly for application writers, who can use it to make a persistent snapshot of a locator at any point during a document parse:</p>
 * 
 * <pre>
* Locator locator;
* Locator startloc;
*
* public void setLocator (Locator locator)
* {
*     // note the locator
*     this.locator = locator;
* } 
*
* public void startDocument ()
* {
*     // save the location of the start of the document
*     // for future use.
*     Locator startloc = new LocatorImpl(locator);
* } 
*</pre>
*
* <p>Normally, parser writers will not use this class, since it
* is more efficient to provide location information only when
* requested, rather than constantly updating a Locator object.</p>
* 
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Locator Locator
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/LocatorImpl.java
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  jar/javax/xml/parsers/ParserConfigurationException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/javax/xml/parsers/FactoryFinder.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/javax/xml/parsers/FactoryConfigurationError.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
// NO WARRANTY! This class is in the Public Domain.
/**
 * Interface for reading an XML document using callbacks.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p><strong>Note:</strong> despite its name, this interface does
 * <em>not</em> extend the standard Java [@link java.io.Reader Reader]
 * interface, because reading XML is a fundamentally different activity
 * than reading character data.</p>
 *
 * <p>XMLReader is the interface that an XML parser's SAX2 driver must
 * implement. This interface allows an application to set and
 * query features and properties in the parser, to register
 * event handlers for document processing, and to initiate
 * a document parse.</p>
 *
 * <p>All SAX interfaces are assumed to be synchronous: the
 * [@link #parse parse] methods must not return until parsing
 * is complete, and readers must wait for an event-handler callback
 * to return before reporting the next event.</p>
 *
 * <p>This interface replaces the (now deprecated) SAX 1.0 [@link
 * org.xml.sax.Parser Parser] interface. The XMLReader interface
 * contains two important enhancements over the old Parser
 * interface:</p>
 *
 * <ul>
 * <li>it adds a standard way to query and set features and
 * properties; and</li>
 * <li>it adds Namespace support, which is required for many
 * higher-level XML standards.</li>
 * </ul>
 *
 * <p>There are adapters available to convert a SAX1 Parser to
 * a SAX2 XMLReader and vice-versa.</p>
* @since SAX 2.0
* @author David Megginson,
*     <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.XMLFilter
* @see org.xml.sax.helpers.ParserAdapter
* @see org.xml.sax.helpers.XMLReaderAdapter
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLReader.java
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/**
* A single input source for an XML entity.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* This class allows a SAX application to encapsulate information
* about an input source in a single object, which may include
* a public identifier, a system identifier, a byte stream (possibly
* with a specified encoding), and/or a character stream.</p>
*
* There are two places that the application will deliver this
* input source to the parser: as the argument to the Parser.parse
* method, or as the return value of the EntityResolver.resolveEntity
* method.</p>
*
* The SAX parser will use the InputSource object to determine how
* to read XML input. If there is a character stream available, the
* parser will read that stream directly; if not, the parser will use
* a byte stream, if available; if neither a character stream nor a
* byte stream is available, the parser will attempt to open a URI
* connection to the resource identified by the system
* identifier.</p>
*
* An InputSource object belongs to the application: the SAX parser
* shall never modify it in any way (it may modify a copy if
* necessary).</p>
*
* @since SAX 1.0
* @author David Megginson,
*     <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#parse
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/InputSource.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p>An XMLReader will throw this exception when it recognizes a
 * feature or property identifier, but cannot perform the requested
 * operation (setting a state or value). Other SAX2 applications and
 * extensions may use this class for similar purposes.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.SAXNotRecognizedException
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXNotSupportedException.java
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  jar/javax/xml/parsers/SecuritySupport12.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/SecuritySupport12.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/SecuritySupport.java
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// NO WARRANTY! This class is in the public domain.
/**
 * Adapt a SAX1 Parser as a SAX2 XMLReader.
 * *
 * &lt;blockquote&gt;
 * &lt;em&gt;This module, both source code and documentation, is in the
 * Public Domain, and comes with &lt;strong&gt;NO WARRANTY&lt;/strong&gt;.&lt;/em&gt;
 * &lt;/blockquote&gt;
 *
 * &lt;p&gt;This class wraps a SAX1 {@link org.xml.sax.Parser Parser}
 * and makes it act as a SAX2 {@link org.xml.sax.XMLReader XMLReader},
 * with feature, property, and Namespace support. Note
 * that it is not possible to report {@link org.xml.sax.ContentHandler#skippedEntity
 * skippedEntity} events, since SAX1 does not make that information available.&lt;/p&gt;
 *
 * &lt;p&gt;This adapter does not test for duplicate Namespace-qualified
 * attribute names.&lt;/p&gt;
 *
 * @since SAX 2.0
 * @author David Megginson,
 * &lt;a href="mailto:sax@megginson.com">sax@megginson.com&lt;/a&gt;
 * @version 2.0
 * @see org.xml.sax.helpers.XMLReaderAdapter
 * @see org.xml.sax.XMLReader
 * @see org.xml.sax.Parser
 */
/**
 * Adapt a SAX1 AttributeList as a SAX2 Attributes object.
 *
This class is in the Public Domain, and comes with NO
WARRANTY of any kind.</p>
*

This wrapper class is used only when Namespace support
is disabled -- it provides pretty much a direct mapping
from SAX1 to SAX2, except that names and types are
interned whenever requested.</p>
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/ParserAdapter.java
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// NO WARRANTY! This class is in the public domain.
/**
 * Default implementation of the Attributes interface.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * This class provides a default implementation of the SAX2
 * { @link org.xml.sax.Attributes Attributes } interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
 *
 * There are two typical uses of this class:
 *<ol>
 *<li>to take a persistent snapshot of an Attributes object
 * in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
 *<li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
 *<ol>
 *
 * This class replaces the now-deprecated SAX1 { @link
 * org.xml.sax.helpers.AttributeListImpl AttributeListImpl } class; in addition to supporting the updated Attributes
 * interface rather than the deprecated { @link org.xml.sax.AttributeList
 * AttributeList } interface, it also includes a much more efficient
 * implementation using a single array rather than a set of Vectors.</p>
 *
 * @since SAX 2.0
 * @author David Megginson
 * @version 2.0.1 (sax2r2)
* /

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/AttributesImpl.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Create a new instance of a class by name.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class contains a static method for creating an instance of a
 * class from an explicit class name. It tries to use the thread's context
 * ClassLoader if possible and falls back to using
 * Class.forName(String). It also takes into account JDK 1.2+'s
 * AccessController mechanism for performing its actions. </p>
 *
 * <p>This code is designed to run on JDK version 1.1 and later and compile
 * on versions of Java 2 and later. </p>
 *
 * @author Edwin Goei, David Brownell, Neil Graham
 * @version $Id: NewInstance.java,v 1.2 2002/08/26 23:55:45 neilg Exp $
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/NewInstance.java
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/**
 * Encapsulate a general SAX error or warning.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.
 * </em>
 *
 * <p>This class can contain basic error or warning information from
 * either the XML parser or the application: a parser writer or
 * application writer can subclass it to provide additional
 * functionality. SAX handlers may throw this exception or
* any exception subclassed from it.</p>

*  

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

*  

* <p>If the parser or application needs to include information about a  
* specific location in an XML document, it should use the  
* [ @link org.xml.sax.SAXParseException SAXParseException ] subclass.</p>

*  

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

Found in path(s):
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// NO WARRANTY! This class is in the Public Domain.
/**  
* Exception class for an unrecognized identifier.
*  
* <blockquote>  
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>  
*/

* <p>An XMLReader will throw this exception when it finds an  
* unrecognized feature or property identifier; SAX applications and  
* extensions may use this class for other, similar purposes.</p>

*  

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

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXNotRecognizedException.java
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 * the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
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 */
/**
 * Create a new <code>DOMBuilder</code>. The newly constructed parser may
 * then be configured by means of its <code>setFeature</code> method,
 * and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode  The <code>mode</code> argument is either
 *   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
 *   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
 *   <code>DOMBuilder</code> that is created will operate in synchronous
 *   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
 *   <code>DOMBuilder</code> that is created will operate in
 *   asynchronous mode.
 * @param schemaType  An absolute URI representing the type of the schema
 *   language used during the load of a <code>Document</code> using the
 *   newly created <code>DOMBuilder</code>. Note that no lexical
 *   checking is done on the absolute URI. In order to create a
 *   <code>DOMBuilder</code> for any kind of schema types (i.e. the
 *   DOMBuilder will be free to use any schema found), use the value
 *   <code>null</code>. For W3C XML Schema , applications must use the
 *   value <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD
 *   , applications must use the value
 *   <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
 *   are outside the scope of the W3C and therefore should recommend an
 *   absolute URI in order to use this method.
 * @return  The newly created <code>DOMBuilder</code> object. This
 *   <code>DOMBuilder</code> is either synchronous or asynchronous
 *   depending on the value of the <code>mode</code> argument. By
 *   default, the newly created <code>DOMBuilder</code> does not contain
 *   a <code>DOMErrorHandler</code>, i.e. the value of the
* <code>errorHandler</code> is <code>null</code>. However, implementations may provide a default error handler at creation time. In that case, the initial value of the <code>errorHandler</code> attribute on the new created <code>DOMBuilder</code> contains a reference to the default error handler.

* @exception DOMException
* NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is not supported.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DOMImplementationLS.java
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/**
* Basic interface for SAX (Simple API for XML) parsers.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* *
* This was the main event supplier interface for SAX1; it has been replaced in SAX2 by {@link org.xml.sax.XMLReader XMLReader}, which includes Namespace support and sophisticated configurability and extensibility.</p>
* *
* All SAX1 parsers must implement this basic interface: it allows applications to register handlers for different types of events and to initiate a parse from a URI, or a character stream.</p>
* *
* All SAX1 parsers must also implement a zero-argument constructor (though other constructors are also allowed).</p>
* *
* SAX1 parsers are reusable but not re-entrant: the application may reuse a parser object (possibly with a different input source) once the first parse has completed successfully, but it may not invoke the parse() methods recursively within a parse.</p>
* *
* @deprecated This interface has been replaced by the SAX2 { @link org.xml.sax.XMLReader XMLReader } interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson, <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
// Public Domain: no warranty.
/**
 * SAX2 extension handler for DTD declaration events.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.
 * </em>
 * </blockquote>
 *
 * This is an optional extension handler for SAX2 to provide
 * information about DTD declarations in an XML document. XML
 * readers are not required to support this handler, and this
 * handler is not included in the core SAX2 distribution.
 *
 * Note that data-related DTD declarations (unparsed entities and
 * notations) are already reported through the {@link
 * org.xml.sax.DTDHandler DTDHandler} interface.
 *
 * If you are using the declaration handler together with a lexical
 * handler, all of the events will occur between the
 * {@link org.xml.sax.ext.LexicalHandler#startDTD startDTD} and the
 * {@link org.xml.sax.ext.LexicalHandler#endDTD endDTD} events.
 *
 * To set the DeclHandler for an XML reader, use the
 * {@link org.xml.sax.XMLReader#setProperty setProperty} method
 * with the propertyId "http://xml.org/sax/properties/declaration-handler".
 * If the reader does not support declaration events, it will throw a
 * {@link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException}
 * or a
 * {@link org.xml.sax.SAXNotSupportedException SAXNotSupportedException}
 * when you attempt to register the handler.
 *
 * @since 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 1.0
* @see org.xml.sax.XMLReader
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ext/DeclHandler.java
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/**
 * Java-specific class for dynamically loading SAX parsers.
 *
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 * See &lt;a href='http://www.saxproject.org'>http://www.saxproject.org</a>&lt;/a&gt;
 * for further information.
 * &lt;/blockquote&gt;
 *
 * &lt;p&gt;&lt;strong&gt;Note:&lt;/strong&gt; This class is designed to work with the now-deprecated
 * SAX1 {@link org.xml.sax.Parser Parser} class. SAX2 applications should use
 * {@link org.xml.sax.helpers.XMLReaderFactory XMLReaderFactory} instead.&lt;/p&gt;
 *
 * &lt;p&gt;ParserFactory is not part of the platform-independent definition
 * of SAX; it is an additional convenience class designed
 * specifically for Java XML application writers. SAX applications
 * can use the static methods in this class to allocate a SAX parser
 * dynamically at run-time based either on the value of the
 * `org.xml.sax.parser' system property or on a string containing the class
 * name.&lt;/p&gt;
 *
 * &lt;p&gt;Note that the application still requires an XML parser that
 * implements SAX1.&lt;/p&gt;
 *
 * @deprecated This class works with the deprecated
 * {@link org.xml.sax.Parser Parser} interface.
 * @since SAX 1.0
 * @author David Megginson
 * @version 2.0r2pre3
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/ParserFactory.java
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 * Adapt a SAX2 XMLReader as a SAX1 Parser.
 *
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 * </blockquote>
 *
 * This class wraps a SAX2 { @link org.xml.sax.XMLReader XMLReader} and makes it act as a SAX1 { @link org.xml.sax.Parser Parser}. The XMLReader must support a true value for the http://xml.org/sax/features/namespace-prefixes property or parsing will fail with a { @link org.xml.sax.SAXException SAXException}; if the XMLReader supports a false value for the http://xml.org/sax/features/namespaces property, that will also be used to improve efficiency.</p>
*
*
* @since SAX 2.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser
* @see org.xml.sax.XMLReader
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLReaderAdapter.java
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 * Receive notification of the logical content of a document.
 *
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 * </blockquote>

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

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

This interface is similar to the now-deprecated SAX 1.0 DocumentHandler interface, but it adds support for Namespaces and for reporting skipped entities (in non-validating XML processors).

Implementors should note that there is also a Java class `ContentHandler` in the java.net package; that means that it's probably a bad idea to do:

```java
import java.net.*;
import org.xml.sax.*;
```

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

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

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

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/**
 * SAX2 extension handler for lexical events.
 *
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This is an optional extension handler for SAX2 to provide
 * lexical information about an XML document, such as comments
 * and CDATA section boundaries; XML readers are not required to
 * support this handler, and it is not part of the core SAX2
 * distribution.</p>
 *
 * The events in the lexical handler apply to the entire document,
 * not just to the document element, and all lexical handler events
 * must appear between the content handler's startDocument and
 * endDocument events.</p>
 *
 * To set the LexicalHandler for an XML reader, use the
 * [setProperty](http://xml.org/sax/properties/lexical-handler)
 * method with the propertyId "http://xml.org/sax/properties/lexical-handler".
 * If the reader does not support lexical events, it will throw a
 * [SAXNotRecognizedException](http://xml.org/sax/properties/lexical-handler)
 * or a
 * [SAXNotSupportedException](http://xml.org/sax/properties/lexical-handler)
 * when you attempt to register the handler.</p>
 *
 * @author David Megginson,
 * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 1.0
 *
 * @see org.xml.sax.XMLReader#setProperty
 * @see org.xml.sax.SAXNotRecognizedException
 * @see org.xml.sax.SAXNotSupportedException
 */

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

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QLogic Linux FC-FCoE Driver

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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* M. Welsh, 6 July 1996
*
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Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver
Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
for various fixes regarding tuning, OSD and CI stuff and his work on VDR

Steve Brown <sbrown@cortland.com>
for his AFC kernel thread

Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
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Ronny Strutz <3des@elitedvb.de>
Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver

Oliver Endriss <o.endriss@gmx.de>
for many bugfixes

Andrew de Quincey <adq_dvb@lidskialf.net>
for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2,Inc.

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

Hans-Frieder Vogt <hfvogt@arcor.de>
for his work on calculating and checking the crc’s for the
TechnoTrend/Hauppauge DEC driver firmware
Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

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

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

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

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

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

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

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

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

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)

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1.202 management-api 3.0.0-b012

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/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
* Created: Sun Apr 18 09:35:45 1999 by faith@precisioninsight.com
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* *
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
* DESCRIPTION

* This file contains a straightforward implementation of a fixed-sized
* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for
* collision resolution. There are two potentially interesting things
* about this implementation:
*
* 1) The table is power-of-two sized. Prime sized tables are more
* traditional, but do not have a significant advantage over power-of-two
* sized table, especially when double hashing is not used for collision
* resolution.
*
* 2) The hash computation uses a table of random integers [Hanson97,
* pp. 39-41].
*
* FUTURE ENHANCEMENTS

* With a table size of 512, the current implementation is sufficient for a
* few hundred keys. Since this is well above the expected size of the
* tables for which this implementation was designed, the implementation of
* dynamic hash tables was postponed until the need arises. A common (and
* naive) approach to dynamic hash table implementation simply creates a
* new hash table when necessary, rehashes all the data into the new table,
* and destroys the old table. The approach in [Larson88] is superior in
* two ways: 1) only a portion of the table is expanded when needed,
* distributing the expansion cost over several insertions, and 2) portions
* of the table can be locked, enabling a scalable thread-safe
* implementation.
*
* REFERENCES

* [Hanson97] David R. Hanson. C Interfaces and Implementations:
  * Techniques for Creating Reusable Software. Reading, Massachusetts:
  * Addison-Wesley, 1997.
*
* [Knuth73] Donald E. Knuth. The Art of Computer Programming. Volume 3:
*
* [Larson88] Per-Ake Larson. "Dynamic Hash Tables". CACM 31(4), April
  * 1988, pp. 446-457.
*
*/

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/x86drmHash.c
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_reloc.c

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-0dN83yGs/libdrm-2.4.23/intel/intel_bufmgr.h
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/tests/vbltest/vbltest.c

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/* xf86drmRandom.c -- "Minimal Standard" PRNG Implementation
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* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
* 
* DESCRIPTION
* 
* This file contains a simple, straightforward implementation of the Park
* & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer
* multiplicative linear congruential generator (MLCG) with a period of
* $2^{31}-1$.
* 
* This implementation is intended to provide a reliable, portable PRNG
* that is suitable for testing a hash table implementation and for
* implementing skip lists.
* 
* FUTURE ENHANCEMENTS
* 
* If initial seeds are not selected randomly, two instances of the PRNG
* can be correlated. [Knuth81, pp. 32-33] describes a shuffling technique
* that can eliminate this problem.
* 
* If PRNGs are used for simulation, the period of the current
* implementation may be too short. [LE88] discusses methods of combining
* MLCGs to produce much longer periods, and suggests some alternative
* values for A and M. [LE90 and Sch92] also provide information on
* long-period PRNGs.
* 
* REFERENCES
* 
* [Knuth81] Donald E. Knuth. The Art of Computer Programming. Volume 2:
* 
* [LE88] Pierre L'Ecuyer. "Efficient and Portable Combined Random Number
* Generators". CACM 31(6), June 1988, pp. 742-774.
* 
* [LE90] Pierre L'Ecuyer. "Random Numbers for Simulation". CACM 33(10,


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/* drmstat.c -- DRM device status and testing program
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*/

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/tests/name_from_fd.c
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/xf86drm.h
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/include/drm/sis_drm.h
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AC_PREREQ(2.60)
AC_INIT([libdrm], 2.4.23, [dri-devel@lists.sourceforge.net], libdrm)
AC_USE_SYSTEM_EXTENSIONS
AC_CONFIG_SRCDIR([Makefile.am])
AM_INIT_AUTOMAKE([dist-bzip2])

AM_CONFIG_HEADER([config.h])

AC_DISABLE_STATIC
AC_PROG_LIBTOOL
AC_PROG_CC

AC_HEADER_STDC
AC_SYS_LARGEFILE
AC_FUNC_MALLOC

# Enable quiet compiles on automake 1.11.
m4_ifdef([AM_SILENT_RULES], [AM_SILENT_RULES([yes])])

PKG_CHECK_MODULES(PTHREADSTUBS, pthread-stubs)
AC_SUBST(PTHREADSTUBS_CFLAGS)
AC_SUBST(PTHREADSTUBS_LIBS)

pkgconfigdir=${libdir}/pkgconfig
AC_SUBST(pkgconfigdir)
AC_ARG_ENABLE(udev, AS_HELP_STRING([--enable-udev], [Enable support for using udev instead of mknod (default: disabled)]), [UDEV=${enableval}, [UDEV=no]])
AC_ARG_ENABLE(libkms,
   AS_HELP_STRING([--disable-libkms],
   [Disable KMS mm abstraction library (default: auto)],
   [LIBKMS=$enableval], [LIBKMS=auto])

AC_ARG_ENABLE(intel,
   AS_HELP_STRING([--disable-intel],
   [Enable support for intel's KMS API (default: auto)],
   [INTEL=$enableval], [INTEL=auto])

AC_ARG_ENABLE(radeon,
   AS_HELP_STRING([--disable-radeon],
   [Enable support for radeon's KMS API (default: auto)],
   [RADEON=$enableval], [RADEON=auto])

AC_ARG_ENABLE(vmwgfx-experimental-api,
   AS_HELP_STRING([--enable-vmwgfx-experimental-api],
   [Install vmwgfx's experimental kernel API header (default: disabled)]),
   [VMWGFX=$enableval], [VMWGFX=no])

AC_ARG_ENABLE(nouveauplus-experimental-api,
   AS_HELP_STRING([--enable-nouveauplus-experimental-api],
   [Enable support for nouveau's experimental API (default: disabled)]),
   [NOUVEAUPLUS=$enableval], [NOUVEAUPLUS=no])

dnl ===========================================================================
dnl check compiler flags
AC_DEFUN([LIBDRM_CC_TRY_FLAG], [
   AC_MSG_CHECKING([whether $CC supports $1])
   libdrm_save_CFLAGS="$CFLAGS"
   CFLAGS="$CFLAGS $1"
   AC_COMPILE_IFELSE([ ], [libdrm_cc_flag=yes], [libdrm_cc_flag=no])
   CFLAGS="$libdrm_save_CFLAGS"
   if test "x$libdrm_cc_flag" = "yyes"; then
      ifelse($2), , :, [$2]
   else
      ifelse($3), , :, [$3]
   fi
   AC_MSG_RESULT([$libdrm_cc_flag])
])

dnl We use clock_gettime to check for timeouts in drmWaitVBlank
AC_CHECK_FUNCS([clock_gettime], [CLOCK_LIB=],

AC_CHECK_LIB([rt], [clock_gettime], [CLOCK_LIB=-lrt],
[AC_MSG_ERROR([Couldn't find clock_gettime])]])
AC_SUBST([CLOCK_LIB])

dnl Use lots of warning flags with with gcc and compatible compilers

dnl Note: if you change the following variable, the cache is automatically
dnl skipped and all flags rechecked. So there's no need to do anything
dnl else. If for any reason you need to force a recheck, just change
dnl MAYBE_WARN in an ignorable way (like adding whitespace)

MAYBE_WARN="-Wall -Wextra \
-Wsign-compare -Werror-implicit-function-declaration \
-Wpointer-arith -Wwrite-strings -Wstrict-prototypes \
-Wmissing-prototypes -Wmissing-declarations -Wnested-externs \
-Wpacked -Wswitch-enum -Wmissing-format-attribute \
-Wstrict-aliasing=2 -Winit-self -Wunsafe-loop-optimizations \
-Wdeclaration-after-statement -Wold-style-definition \
-Wno-missing-field-initializers -Wno-unused-parameter \
-Wno-attributes -Wno-long-long -Winline"

# invalidate cached value if MAYBE_WARN has changed
if test "x$libdrm_cv_warn_maybe" != "x$MAYBE_WARN"; then
  unset libdrm_cv_warn_cflags
fi
AC_CACHE_CHECK([for supported warning flags], libdrm_cv_warn_cflags, [
  echo
  WARN_CFLAGS=""
]

# Some warning options are not supported by all versions of
# gcc, so test all desired options against the current
# compiler.
#
# Note that there are some order dependencies
# here. Specifically, an option that disables a warning will
# have no net effect if a later option then enables that
# warnings, (perhaps implicitly). So we put some grouped
# options (-Wall and -Wextra) up front and the -Wno options
# last.

for W in $MAYBE_WARN; do
  LIBDRM_CC_TRY_FLAG([$W], [WARN_CFLAGS="$WARN_CFLAGS $W"])
done

libdrm_cv_warn_cflags=$WARN_CFLAGS
libdrm_cv_warn_maybe=$MAYBE_WARN

AC_MSG_CHECKING([which warning flags were supported)])
WARN_CFLAGS="$libdrm_cv_warn_cflags"

if test "xSUDEV" = xyes; then
AC_DEFINE(UDEV, 1, [Have UDEV support])
fi

AC_CANONICAL_HOST
if test "x$SLIBKMS" = xauto ; then
case $host_os in
linux*) LIBKMS="yes" ;;
*) LIBKMS="no" ;;
esac
fi

AM_CONDITIONAL(HAVE_SLIBKMS, [test "xSLIBKMS" = xyes])

AM_CONDITIONAL(HAVE_VMWGFX, [test "x$VMWGFX" = xyes])
if test "x$VMWGFX" = xyes; then
AC_DEFINE(HAVE_VMWGFX, 1, [Have vmwgfx kernel headers])
fi

AM_CONDITIONAL(HAVE_NOUVEAU, [test "x$NOUVEAU" = xyes])
if test "x$NOUVEAU" = xyes; then
AC_DEFINE(HAVE_NOUVEAU, 1, [Have nouveau (nvidia) support])
fi

PKG_CHECK_MODULES(CAIRO, cairo, [HAVE_CAIRO=yes], [HAVE_CAIRO=no])
if test "x$HAVE_CAIRO" = xyes; then
AC_DEFINE(HAVE_CAIRO, 1, [Have cairo support])
fi

AM_CONDITIONAL(HAVE_CAIRO, [test "x$HAVE_CAIRO" = xyes])

# For enumerating devices in test case
PKG_CHECK_MODULES(LIBUDEV, libudev, [HAVE_LIBUDEV=yes], [HAVE_LIBUDEV=no])
if test "x$HAVE_LIBUDEV" = xyes; then
AC_DEFINE(HAVE_LIBUDEV, 1, [Have libudev support])
fi

AM_CONDITIONAL(HAVE_LIBUDEV, [test "x$HAVE_LIBUDEV" = xyes])

if test "x$INTEL" != "xno" -o "x$RADEON" != "xno"; then
# Check for atomic intrinsics
AC_CACHE_CHECK([for native atomic primitives], drm_cv_atomic_primitives,
               [drm_cv_atomic_primitives="none"]

AC_TRY_LINK[
  int atomic_add(int i) { return __sync_fetch_and_add (&i, 1); }
  int atomic_cmpxchg(int i, int j, int k) { return __sync_val_compare_and_swap (&i, j, k); }
}
if test "x$drm_cv_atomic_primitives" = "xnone"; then
    AC_CHECK_HEADER([atomic_ops.h], drm_cv_atomic_primitives="libatomic-ops")
fi

# atomic functions defined in <atomic.h> & libc on Solaris
if test "x$drm_cv_atomic_primitives" = "xnone"; then
    AC_CHECK_FUNC([atomic_cas_uint],
    drm_cv_atomic_primitives="Solaris")
fi

if test "x$drm_cv_atomic_primitives" = xIntel; then
    AC_DEFINE(HAVE_LIBDRM_ATOMIC_PRIMITIVES, 1,
    [Enable if your compiler supports the Intel __sync_** atomic primitives])
    fi
if test "x$drm_cv_atomic_primitives" = "xlibatomic-ops"; then
    AC_DEFINE(HAVE_LIB_ATOMIC_OPS, 1, [Enable if you have libatomic-ops-dev installed])
    fi

if test "x$drm_cv_atomic_primitives" = "xnone"; then
    if test "x$INTEL" != "xauto"; then
        if test "x$INTEL" != "xno"; then
            AC_MSG_ERROR([libdrm_intel depends upon atomic operations, which were not found for your
compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package, or, failing both of those,
disable support for Intel GPUs by passing --disable-intel to ./configure])
            fi
        else
            AC_MSG_WARN([Disabling libdrm_intel. It depends on atomic operations, which were not found for
your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
            INTEL=no
        fi
    else
        AC_MSG_WARN([Disabling libdrm_intel. It depends on atomic operations, which were not found for
your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
        INTEL=no
    fi
if test "x$RADEON" != "xauto"; then
    if test "x$RADEON" != "xno"; then
        AC_MSG_ERROR([libdrm_radeon depends upon atomic operations, which were not found for your
compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package, or, failing both of those,
disable support for Radeon support by passing --disable-radeon to ./configure])
        fi
    else
        AC_MSG_WARN([Disabling libdrm_radeon. It depends on atomic operations, which were not found for
your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
        RADEON=no
    fi
else


if test "x$INTEL" != "xno"; then
    INTEL=yes
fi
if test "x$RADEON" != "xno"; then
    RADEON=yes
fi
fi
fi

AM_CONDITIONAL(HAVE_INTEL, [test "x$INTEL" != "xno"])
AM_CONDITIONAL(HAVE_RADEON, [test "x$RADEON" != "xno"])

AC_ARG_WITH([kernel-source],
    [AS_HELP_STRING([--with-kernel-source],
                    [specify path to linux kernel source]),
    [kernel_source="$with_kernel_source"])
AC_SUBST(kernel_source)

AC_SUBST(WARN_CFLAGS)
AC_OUTPUT(
    Makefile
    libkms/Makefile
    libkms/libkms.pc
    intel/Makefile
    intel/libdrm_intel.pc
    radeon/Makefile
    radeon/libdrm_radeon.pc
    nouveau/Makefile
    nouveau/libdrm_nouveau.pc
    tests/Makefile
    tests/modeprint/Makefile
    tests/modetest/Makefile
    tests/kmstest/Makefile
    tests/vbltest/Makefile
    include/Makefile
    include/drm/Makefile
    libdrm.pc))

echo ""
echo "$PACKAGE_STRING will be compiled with:"
echo ""
echo " libkms $LIBKMS"
echo " Intel API $INTEL"
echo " vmwgfx API $VMWGFX"
echo " Radeon API $RADEON"
echo " Nouveau API $NOUVEAU"
echo ""
/* xf86drmSL.c -- Skip list support
 * Created: Mon May 10 09:28:13 1999 by faith@precisioninsight.com
 *
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 *
 * Authors: Rickard E. (Rik) Faith <faith@valinux.com>
 *
 * DESCRIPTION
 *
 * This file contains a straightforward skip list implementation.
 *
 * FUTURE ENHANCEMENTS
 *
 * REFERENCES
 *
 * Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
 */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-0dN83yGs/libdrm-2.4.23/configure.ac
1.204 cxf-rt-transports-http 3.5.0

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1.205 gconf 3.2.6 8.el7
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1.207 iputils 20160308-10.el7

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Links to all available W3C DOM Java Bindings can be found at:
The actual classes of The Simple API for CSS (SAC) came from:
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  <signature of Ty Coon>, 1 April 1989
  Ty Coon, President of Vice

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1.237 atk 2.28.1 1.el7

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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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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, while the latter only works together with the library.

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

(For example, a function in a library to compute square roots has
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e) Verify that the user has already received a copy of these 
materials or that you have already sent this user a copy.

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

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.

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

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

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

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

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

That's all there is to it!
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>, Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>, Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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-----------

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

-----------

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r=20
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From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
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------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

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unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn't the place of =
library to dictact to application writes what license they should be using.

thus LGPL-2.1 enters to fill this void.

Mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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> [mailto:cracklib-devel-bounces@li...]
> On Behalf Of Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
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-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small
bit of
additional code, so whatever licensing y'all come up with is fine
by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone’s
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
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In any case, I thank you both for working on sorting this out.

Looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
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> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
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> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

---------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL FROM ARTISTIC.
---------

CrackLib was originally licensed with a variant of the Artistic license. In the
interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtptr020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon,  1 Oct 2007 09:59:50 -0700 (PDT)
    Received: from [82.68.43.14] (helo=[192.168.1.13])
    by rutherford.zen.co.uk with esmtp (Exim 4.50)
    id 1IcOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
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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What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....
> >
> > My apologies for not chiming in in anything resembling a reasonable timeframe.
> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> 
> > In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now?
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
> 
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> > the change now?
>
> yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> > the change now?
> >
> > yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
----------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.
This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMPTPSVC(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 SMPTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1.8.13.1) with ESMTP id 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])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helio=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
  id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
  <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
  <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> 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

1.242 struts2-embeddedjsp-plugin 2.5.30
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1.243 pam unknown

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1.244 pyyaml 3.10 11.el7
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1.245 atk 2.26.2-1.el7
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1.246 jackson-xc 2.9.9

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1.248 libyaml 0.1.4
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1.249 xmlsec-java 2.3.0

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1.250 kerberos 1.15.1 37.el7_7.2

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`cmd/krb5/kproplog/kproplog.c`
`cmd/krb5/slave/kpropd_rpc.c`
`lib/gss_mechs/mech_krb5/et/kdb5_err.c`
`lib/gss_mechs/mech_spnego/mecch/gssapiP_spnego.h`
`lib/gss_mechs/mech_spnego/mecch/spnego_mech.c`
`lib/krb5/kadm5/kadm_host_srv_names.c`
`lib/krb5/kdb/kdb_convert.c`
`lib/krb5/kdb/kdb_hdr.h`
`lib/krb5/kdb/kdb_log.c`
`lib/krb5/kdb/kdb_log.h`
`lib/libgss/g_accept_sec_context.c`
`lib/libgss/g_acquire_cred.c`
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
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
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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
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.252 mail 1.4.2

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1.253 tomcat-jni 9.0.56

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1.254 diffutils 3.3 5.el7
1.254.1 Available under license :
/* diff - compare files line by line

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along with this program. If not, see <http://www.gnu.org/licenses/>. */

#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 <prepargs.h>
#include <progname.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")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

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[] =
"0123456789abBcCdDeEfFhHiIlLnNpPqrsStTuUvwWxXYYZ";

/* 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[2][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'},
    {"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
    {"context", 2, 0, 'C'},
    {"ed", 0, 0, 'e'},
    {"exclude", 1, 0, 'x'},
    {"exclude-from", 1, 0, 'X'},
    {"expand-tabs", 0, 0, 't'},
    {"forward-ed", 0, 0, 'f'},
    {"from-file", 1, 0, FROM_FILE_OPTION},
    {"help", 0, 0, HELP_OPTION},
    {"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
    {"ifdef", 1, 0, 'D'},
    {"ignore-all-space", 0, 0, 'w'},
    {"ignore-blank-lines", 0, 0, 'B'},
    {"ignore-case", 0, 0, 'i'},
    {"ignore-file-name-case", 0, 0, IGNORE_FILE_NAME_CASE_OPTION},
    {"ignore-matching-lines", 1, 0, 'I'},
    {"ignore-space-change", 0, 0, 'b'},
    {"ignore-tab-expansion", 0, 0, 'E'},
    {"ignore-trailing-space", 0, 0, 'Z'},
    {"inhibit-hunk-merge", 0, 0, INHIBIT_HUNK_MERGE_OPTION},
    {"initial-tab", 0, 0, 'T'},
    {"label", 1, 0, 'L'},
    {"left-column", 0, 0, LEFT_COLUMN_OPTION},
    {"line-format", 1, 0, LINE_FORMAT_OPTION},
    {"minimal", 0, 0, 'd'},
    {"new-file", 0, 0, 'N'},
    {"new-group-format", 1, 0, NEW_GROUP_FORMAT_OPTION},
    {"new-line-format", 1, 0, NEW_LINE_FORMAT_OPTION},
    {"no-dereference", 0, 0, NO_DEREFERENCE_OPTION},
    {"no-ignore-file-name-case", 0, 0, NO_IGNORE_FILE_NAME_CASE_OPTION},
    {"normal", 0, 0, NORMAL_OPTION},

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/* 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 = result = xmalloc (size);

  return result;
}
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 */
            %#ifdef %s
            %#endif /* %s */
            %ifndef %s
            %<#else /* %s */
            %#endif /* %s */
            ";
        char *b = xmalloc (sizeof C_ifdef_group_formats
            + 7*strlen (optarg) - 14 /* 7*"%s" */
            - 8 /* 5*"c" + 3*"%s" */);
        sprintf (b, C_ifdef_group_formats,
            optarg, optarg, 0,
            optarg, optarg, 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_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'T':
    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;
#ifndef SIGCHLD
    /* Pagination requires forking and waiting, and
     * System V fork+wait does not work if SIGCHLD is ignored. */
    signal (SIGCHLD, SIG_DFL);
#else
    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:]$]$");
    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 (), 'u'))
        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;
#elif (! 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:
umval = 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:
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:
    numval = 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)),
  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_("  --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_("  --new-file treat absent files as empty"),
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_("  --exclude-from=FILE exclude files that match any pattern in FILE"),
N_("  --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_("  --GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("  --line-format=LFMT format all input lines with LFMT"),
N_("  --LTYPE-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.")
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
" + 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);
        else
        {
            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)

cmp.file[f].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)
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 == OUTPUT_IFDEF)
        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)))
    || (parent
        && !(S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK (cmp.file[1].stat.st_mode))
        && (S_ISREG (cmp.file[0].stat.st_mode)
            || S_ISLNK (cmp.file[0].stat.st_mode)))
    && same_files
    && 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 == OUTPUT_IFDEF)
        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_ISLNK (cmp.file[0].stat.st_mode))
        && (S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK (cmp.file[1].stat.st_mode))
    && (S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK (cmp.file[1].stat.st_mode))
    && same_files
    && 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 == OUTPUT_IFDEF)
        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_ISLNK (cmp.file[0].stat.st_mode))
        && (S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK (cmp.file[1].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) {
/* We have a subdirectory that exists only in one directory. */

if ((DIR_P (0) | DIR_P (1))
    && recursive
    && (new_file
        || (unidirectional_new_file
            && cmp.file[0].desc == NONEXISTENT)))
    status = diff_dirs (&cmp, compare_files);
else {
    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_label[1] ? file_label[1] : cmp.file[1].name, 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)
&amp;&amp; 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 &lt; 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 &lt; 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 (&amp;cmp.file[0].stat),
    file_type (&amp;cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}

}

else if (files_can_be_treated_as_binary
    &amp;&amp; S_ISREG (cmp.file[0].stat.st_mode)
    &amp;&amp; S_ISREG (cmp.file[1].stat.st_mode)
    &amp;&amp; cmp.file[0].stat.st_size &amp;&amp; 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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1.269 axiom-dom 1.2.7

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1.270 yum 3.4.3-163.el7

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diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py 2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
+        self.arch_storage = ArchStorage()
+        self.archlist = self.arch_storage.archlist
+
+    def get_notices(self, name=None):
+        ''' Return all notices. '''
        if name is None:
            @ @ -398,6 +399,9 @@ class UpdateMetadata(object):
                except Errors.RepoMDError:
                    continue # No metadata found for this repo

+        self.arch_storage = ArchStorage()  
+        self.archlist = self.arch_storage.archlist

+        def get_notices(self, name=None):
+            ''' Return all notices. '''
+            if name is None:
+                @ @ -343,16 +348,29 @@ class UpdateMetadata(object):
+                    name = oldpkgtuple[0]
+                    arch = oldpkgtuple[1]
+                    ret = []
+                    other_arch_list = []
+                    notices = set()
+                    for notice in self.get_notices(name):
+                        for upkg in notice['pkglist']:
+                            for pkg in upkg['packages']:
+                                other_arch = False
+                                if pkg['name'] != name or pkg['arch'] != arch:
+                                    continue
+                                if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
+                                    other_arch = True
+                                else:
+                                    continue


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limitations under the License.
pkg = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
        pkg['version'], pkg['release'])
if _rpm_tup_vercmp(pkg, oldpkg) <= 0:
    continue
-    ret.append((pkg, notice))
+    if other_arch:
+        other_arch_list.append((pkg, notice))
+    else:
+        ret.append((pkg, notice))
+        notices.add(notice)
+    for pkg, notice in other_arch_list:
+        if notice not in notices:
+            ret.append((pkg, notice))
ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py 2015-05-28 19:24:05.971806965 +0200
 @@ -33,6 +33,7 @@ import Errors
 import logginglevels
 import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):

diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org 2017-01-24 18:55:03.529842775 +0100
 @@ -58,7 +58,7 @@ class UpdateNotice(object):
     A single update notice (for instance, a security fix).
     
-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from' : '',
            'type' : '',
@@ -83,6 +83,9 @@ class UpdateNotice(object):
        self._parse(elem)
+        self._repoid = repoid
+        self._vlogger = vlogger
+
+    def __getitem__(self, item):
+        """ Allows scriptable metadata access (ie: un['update_id']). """

---
Open Source Used In Cisco Unified Communication Manager 14SU2 2774
if type(item) is int:
@@ -103,6 +106,24 @@ class UpdateNotice(object):
    # Tests to see if it's "the same data", which means that the
    # packages can be different (see add_notice).

+    def _rid(un):
+        if hasattr(un, '_repoid') and un._repoid is not None:
+            return un._repoid
+        else:
+            return '<unknown>'
+
+    def _log_failure(data):
+        """Log the mismatched data similarly to conflict markers in git."""
+        if self._vlogger is None:
+            return
+        msg = _('Duplicate of %s differs in some fields:
')
+        msg += '<<<<<<< %s:%s
' % (_rid(other), data)
+        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
+        # --verbose mode enables this
+        self._vlogger.log(logging.DEBUG_3, msg)
+
+        if not other or not hasattr(other, '_md'):
+            return False

@@ -113,6 +134,7 @@ class UpdateNotice(object):
    if data == 'status': # FIXME: See below...
        continue
        if self._md[data] != other._md[data]:
+            _log_failure(data)
            return False

    if self._md['status'] not in ('stable', 'testing'):
        _log_failure(data)
        return False

    if other._md['status'] not in ('stable', 'testing'):
+        _log_failure(data)
        return False

    # They are both really "stable"...
    self._md['status'] = 'stable'
@@ -574,7 +598,7 @@ class UpdateMetadata(object):
        for event, elem in safe_iterparse(infile, logger=self._logger):
            if elem.tag == 'update':
try:
-    un = UpdateNotice(elem)
+    un = UpdateNotice(elem, repoid, self._vlogger)
except UpdateNoticeException, e:
    msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
    if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
        msg = _("Update notice %s%s is broken, or a bad duplicate, skipping.") % (un['update_id'],
            _rid(repoid))
            if not have_dup:
                msg += _("You should report this problem to the owner of the %s repository.") % _rid(repoid, "%s ")
+                msg += _("If you are the owner, consider re-running the same command with --verbose to see the '
+                'exact data that caused the conflict.")
        have_dup = True
        if self._vlogger:
            self._vlogger.warn("%s", msg)
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Version 2, June 1991

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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).
*
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1.281 dnsmasq 2.83

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1.282 jersey 2.13
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for making modifications to it. "Object code" means any non-source
form of a work.

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1.288 tcsh 6.18.01-15.el7

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*/
/*
* config.h -- configure various defines for tcsh
* All source files should #include this FIRST.
* Edit this to match your system type.
*/

#ifndef _h_config
#define _h_config
#endif

#define _h_config
/* System dependant compilation flags */

/*
 * POSIX
 * This system supports IEEE Std 1003.1-1988 (POSIX).
 */
#undef POSIX

/*
 * POSIXJOBS
 * This system supports the optional IEEE Std 1003.1-1988 (POSIX)
 * job control facilities.
 */
#undef POSIXJOBS

/*
 * VFORK
 * This machine has a vfork().
 * It used to be that for job control to work, this define
 * was mandatory. This is not the case any more.
 * If you think you still need it, but you don't have vfork,
 * define this anyway and then do #define vfork fork.
 * I do this anyway on a Sun because of yellow pages brain damage,
 * [should not be needed under 4.1]
 * and on the iris4d cause SGI's fork is sufficiently "virtual"
 * that vfork isn't necessary. (Besides, SGI's vfork is weird).
 * Note that some machines eg. rs6000 have a vfork, but not
 * with the berkeley semantics, so we cannot use it there either.
 */
#define VFORK

/*
 * BSDJOBS
 * You have BSD-style job control (both process groups and
 * a tty that deals correctly
 */
#define BSDJOBS

/*
 * BSDTIMES
 * You have BSD-style process time stuff (like rusage)
 * This may or may not be true. For example, Apple Unix
 * *(OREO) has BSDJOBS but not BSDTIMES.
 */
#define BSDTIMES

/*
 * BSDLIMIT
 * You have BSD-style resource limit stuff (getrlimit/setrlimit)
 */
#define BSDLIMIT

/*
 * TERMIO
 * You have struct termio instead of struct sgttyb.
 * This is usually the case for SYSV systems, where
BSD uses sgttyb. POSIX systems should define this
*anyway, even though they use struct termios.
*/
#undef TERMIO

/*
SYSVRELYour machine is SYSV based (HPUX, A/UX)
*NOTE: don't do this if you are on a Pyramid -- tcs is
*built in a BSD universe.
*Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
*you are running. Or set it to 0 if you are not SYSV based
*/
#define SYSVREL0

/*
YPBUGSWork around Sun YP bugs that cause expansion of ~username
*to send command output to /dev/null
*/
#undef YPBUGS

/******************** local defines *******************/
#endif /* _h_config */

1.289 offheap-store 2.5.1
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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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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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:

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

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

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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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(1)

SimpleXMLParser:
The original version of this class was published in a JavaWorld article by Steven Brandt:
Jennifer Orr (JavaWorld) wrote: "You have permission to use the code appearing in
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We ask that you reference the author as the creator and JavaWorld as the original publisher
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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 `@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 `@code AdminServiceFactory` and `@code MBeanFactory`.

* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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/opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
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  jar/org/springframework/context/LifecycleProcessor.java
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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
*/

Found in path(s):
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/ApplicationEventPublisherAware.java

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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/DateTimeParser.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/i18n/LocaleContext.java
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 */

/**
 * Indicates that a component is only eligible for registration when all
 * [@linkplain #value specified conditions] match.
 *
 * &lt;p&gt;A &lt;em&gt;condition&lt;/em&gt; is any state that can be determined programmatically
 * before the bean definition is due to be registered (see [@link Condition] for details).
 *
 * &lt;p&gt;The [@code @Conditional] annotation may be used in any of the following ways:
 * &lt;ul&gt;
 * &lt;li&gt;as a type-level annotation on any class directly or indirectly annotated with
 * [@code @Component], including [@link Configuration @Configuration] classes&lt;/li&gt;
 * &lt;li&gt;as a meta-annotation, for the purpose of composing custom stereotype
 * annotations&lt;/li&gt;
 * &lt;li&gt;as a method-level annotation on any [@link Bean @Bean] method&lt;/li&gt;
 * &lt;/ul&gt;
 */
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 `@Inherited`; furthermore, any custom composed annotation that is meta-annotated with `@Conditional` must not be declared as `@Inherited`.

@author Phillip Webb
@author Sam Brannen
@since 4.0
@see Condition

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jar/org/springframework/cache/interceptor/CacheAspectSupport.java

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ar/jar/org/springframework/context/annotation/Lazy.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/annotation/ConfigurationMethod.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/cache/interceptor/CacheEvictOperation.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/support/MessageSourceSupport.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/validation/validator/LocalValidatorFactoryBean.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/support/BeanDefinitionDsl.kt

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/support/PayloadApplicationEvent.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/validation/support/BindingAwareModelMap.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/Scheduled.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/support/BeanDefinitionDsl.kt

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/context/annotation/ConfigurationMethod.java

* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
ar/jar/org/springframework/validation/support/BindingAwareModelMap.java

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  jar/org/springframework/context/support/DelegatingMessageSource.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/remoting/support/RemoteExporter.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/jmx/support/NotificationListenerHolder.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/format/datetime/joda/JodaTimeContext.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
  jar/org/springframework/context/expression/MapAccessor.java

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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/stereotype/Repository.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/stereotype/TypeMismatchNamingException.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/stereotype/Controller.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jndi/MBeanProxyFactoryBean.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/annotation/PrimaryScopeMetadataResolver.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/MBeanExportBeanDefinitionParser.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedResourceRegistry.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/support/ApplicationListenerDetector.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/number/CurrencyStyleFormatter.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/cache/interceptor/NamedCacheResolver.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/MonthDayFormatter.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/ImportResource.java
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jar/org/springframework/format/datetime/joda/PeriodFormatter.java
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jar/org/springframework/jmx/export/annotation/ManagedOperation.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/remoting/RemoteTimeoutException.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/context/annotation/ComponentScans.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
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jar/org/springframework/format/number/PercentStyleFormatter.java
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jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
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jar/org/springframework/scripting/config/LangNamespaceHandler.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/context/annotation/Role.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/cache/annotation/CacheConfig.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/scripting/scripting/StandardScriptEvalException.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-
jar/org/springframework/scripting/scripting/StandardScriptEvaluator.java

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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/validation/AbstractPropertyBindingResult.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/scheduling/annotation/AsyncResult.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/i18n/LocaleContextHolder.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jndi/JndiTemplate.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/support/ObjectNameManager.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/cache/config/CacheAdviceParser.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/Scope.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/BeanAnnotationHelper.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/format/support/FormattingConversionService.java
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver
expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.

* Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
  * as needed. This means that data must always be copied to create
  * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  * Fix is simple: make large buffers large enough to hold entire
  * SDU, and leave <small_buffer_data> bytes empty at the start. Then
  * copy small buffer contents to head of large buffer.
  * Trick is to avoid fragmenting Linux, due to need for a lot of large
  * buffers. This is done by 2 things:
  * 1) skb->destructor / skb->atm.recycle_buffer
     combined, allow nicstar_free_rx_skb to be called to
     recycle large data buffers
  * 2) skb_clone of received buffers
  * See nicstar_free_rx_skb and linearize_buffer for implementation
  * details.

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* M. Welsh, 6 July 1996
* /

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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1.314 jackson-databind 2.13.0

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1.315 ncurses 5.7

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---

import io, sys
from setuptools import setup

version = "2.4"

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,6):
        raise SystemExit("Sorry, Python 2.6 or newer required")

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            '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',
            'Topic :: Internet :: Name Service (DNS)',
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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/beanutils/ByteArrayConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/beanutils/ByteLocaleConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/beanutils/ByteArrayConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz/tftp-hpa-5.2/tftpd/misc.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz/tftp-hpa-5.2/tftpd/remap.c
No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: @@VERSION@@
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %{_tmppath}/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%install
rm -rf %{RPM_BUILD_ROOT}
mkdir -p %{RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
    SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
    install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
    /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
  - add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
  - rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
  - Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
  - Fix #55789
  - Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
  - Try applying HJ's patch from #65476

* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
  - Update to 0.29

* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
  - Update to tftp-hpa-0.28 (bug #56131)
  - Remove include/arpa/tftp.h to fix #57259
  - Add resource limits in tftp-xinetd (#56722)

* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
  - Bump release + rebuild.

* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
  - updated tftp-hpa source to tftp-hpa-0.17
  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one

* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
  - rebuilt in 7.1.x

* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
- fix tftp client's put problems (#29529)
- update to tftp-hpa-0.16

* Wed Apr  4 2001 Jakub Jelinek <jakub@redhat.com>
- don't let configure to guess compiler, it can pick up egcs

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
- fixed hpa-tftpd to handle files greater than 32MB (#23725)
- added "-l" flag to hpa-tftpd for file-logging (#26467)
- added description for "-l" to the man-page

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- updated tftp client to 0.17 stable (#19640),
- drop dependency on xinetd for tftp client (#25051),

* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).

* Sat Jan  6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody
   is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.

* Wed Aug 23 2000 Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled

* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.

* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody

* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server_args (#14003).
- remove -D_BSD_SOURCE (#14003).

* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild

* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.
* Fri May 5 2000 Matt Wilson <msw@redhat.com>
  - use __BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
  - fix description

* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
  - compress man pages (again).

* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
  - man pages are compressed
  - fix description and summary

* Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>
  - split client and server

* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>
  - update to 0.16.

* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
  - update to 0.15.

* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
  - tftpd should truncate file when overwriting (#412)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 22)

* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
  - compile for 6.0.

* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
  - build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
  - translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
  - added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
  - initial build

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec.in
No license file was found, but licenses were detected in source scan.
Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: 5.2
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %(_tmppath)/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%install
rm -rf %{RPM_BUILD_ROOT}
mkdir -p %{RPM_BUILD_ROOT}/%{_bindir}
mkdir -p %{RPM_BUILD_ROOT}/%{_mandir}/man{1,8}
mkdir -p %{RPM_BUILD_ROOT}/%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \ 
    SBINDIR=%{_sbindir} MANDIR=%{_mandir} \ 
    install
install -m755 -d %{RPM_BUILD_ROOT}/%{_sysconfdir}/xinetd.d/ %{RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
    /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files server
%defattr(-,root,root)
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%files
%defattr(-,root,root)
%{_bindir}/in.tftpd
%{_mandir}/man8/*

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  - removed completely broken "Malta" patch.
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  - Add /tftpboot directory (#88204)

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* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
  - Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
  - Fix #55789
  - Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
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- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
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  - updated tftp client to 0.17 stable (#19640),
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* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
  - fix to permit tftp put's (#18128).
  - startup as root with chroot to /tftpboot with early reversion to nobody
    is preferable to starting as nobody w/o ability to chroot.
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  - default to being disabled

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  - correct group.

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  - change user from root to nobody

* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
  - update to tftp-hpa-0.14 (#14003).
  - add server_args (#14003).
  - remove -D_BSD_SOURCE (#14003).

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  - cook up an xinetd config file for tftpd

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
  - automatic rebuild

* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
  - FHS packaging.
  - update to 0.17.

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  - use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

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  - fix description
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  - compress man pages (again).

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  - update to 0.15.

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  - tftpd should truncate file when overwriting (#412)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 22)

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  - compile for 6.0.

* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
  - build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
  - translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
  - added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
  - initial build

Found in path(s):
  * /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec
  No license file was found, but licenses were detected in source scan.

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Found in path(s):
  * /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/MCONFIG.in
  No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

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"----------------------------------------------------------------------- */

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5.2-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.c
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5.2-tar-bz2/tftp-hpa-5.2/tftpd/recvfrom.h

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*/

Found in path(s):
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftpd/tftpd.c

1.330 kmod 20 28.el7

1.330.1 Available under license :

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Version 2.1, February 1999

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Preamble

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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.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/ClosedWorkerException.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/SingleOption.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/ssl/JsseSslUtils.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/TypeOption.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/XnioWorker.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/XnioExecutor.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/WriteTimeoutException.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/java/nio/channels/FileChannel.java
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1.339 axiom-impl 1.2.7

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1.340 xstream 1.4.19

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/time/MonthDayConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/time/DurationConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/core/util/ISO8601JodaTimeConverter.java
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jar/com/thoughtworks/xstream/converters/collections/TreeSetConverter.java

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jar/com/thoughtworks/xstream/mapper/AnnotationMapper.java

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jar/com/thoughtworks/xstream/security/TypeHierarchyPermission.java

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  jar/com/thoughtworks/xstream/mapper/AttributeAliasingMapper.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/javabean/PropertySorter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/javabean/ComparingPropertySorter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/JDomReader.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/XomWriter.java
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 * /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/naming/StaticNameCoder.java
 * /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/XStream11NameCoder.java
 * /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/naming/NameCoderWrapper.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/time/ZonedDateTimeConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/time/OffsetDateTimeConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/time/LocalDateConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/time/LocalTimeConverter.java
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 * /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/ProxyTypePermission.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/io/binary/BinaryStreamReader.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/io/ExtendedHierarchicalStreamReader.java

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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/core/util/TypedNull.java

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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/collections/package.html
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/package.html
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/HierarchicalStreamWriter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/ReferenceByXPathUnmarshaller.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/core/util/WeakCache.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/xml/XppDomReader.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/path/PathTracker.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/xml/XppDomWriter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/xml/DomReader.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
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 * Created on 08. January 2014 by Joerg Schaible, factored out from SunUnsafeReflectionProvider
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/converters/reflection/SunLimitedUnsafeReflectionProvider.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/core/util/Types.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/converters/reflection/PureJavaReflectionProvider.java
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 */
A SAX [link org.xml.sax.XMLReader parser] that acts as an XStream
* [link com.thoughtworks.xstream.io.HierarchicalStreamWriter] to enable direct generation of a
* SAX event flow from the XStream serialization of a list of list of Java objects.
* <p>
* As a custom SAX parser, this class ignores the arguments of the two standard parse methods ([link
#parse(java.lang.String)})
* and ([link #parse(org.xml.sax.InputSource))) but relies on a proprietary SAX property
* [link #SOURCE_OBJECT_LISTPROPERTY] to define the list of objects to serialize.
* </p>
* <p>
* Configuration of this SAX parser is achieved through the standard
* [link #setProperty SAX property mechanism]. While specific setter methods require direct
* access to the parser instance, SAX properties support configuration settings to be propagated
* through a chain of [link org.xml.sax.XMLFilter filters] down to the underlying parser
* object.
* </p>
* <p>
* This mechanism shall be used to configure the
* [link #SOURCE_OBJECT_LISTPROPERTY objects to be serialized] as well as the
* [link #CONFIGURED_XSTREAM_PROPERTY XStream facade].
* </p>
* 
* @author Laurent Bihanic
* /
/**
* Sets the value of a property.
* <p>
* The property name is any fully-qualified URI. It is
* possible for an XMLReader to recognize a property name but
* to be unable to set its value. </p>
* <p>
* XML Readers are not required to recognize setting any
* specific property names, though a core set is provided with
* SAX2. </p>
* <p>
* Some property values may be immutable or mutable only
* in specific contexts, such as before, during, or after
* a parse. </p>
This method is also the standard mechanism for setting extended handlers.

 notebooks

 Note: This implementation only supports two (proprietary) properties: `#CONFIGURED_XSTREAM_PROPERTY` and `#SOURCE_OBJECT_LIST_PROPERTY`.

 @param name the property name, which is a fully-qualified URI.
 @param value the requested value for the property.
 @throws SAXNotRecognizedException when the XMLReader does not recognize the property name.
 @throws SAXNotSupportedException when the XMLReader recognizes the property name but cannot set the requested value.
 @see #getProperty

/ *
**

 Parses an XML document from a system identifier (URI).

 This method is a shortcut for the common case of reading a document from a system identifier. It is the exact equivalent of the following:

 ```
    parse(new InputSource(systemId));
   ```

 If the system identifier is a URL, it must be fully resolved by the application before it is passed to the parser.

 Note: As a custom SAX parser, this class ignores the `#SOURCE_OBJECT_LIST_PROPERTY`) to define the list of objects to serialize.

 @param systemId the system identifier (URI).
 @throws SAXException Any SAX exception, possibly wrapping another exception.
 @see #parse(org.xml.sax.InputSource)

/
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/NamedArrayConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/StackTraceElementFactory15.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/util/ISO8601JavaTimeConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/ArrayTypePermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/RegExpTypePermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/NullPermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/ExplicitTypePermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/NoPermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/WildcardTypePermission.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/mapper/XStream11XmlFriendlyMapper.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/core/DefaultConverterLookup.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/annotations/AnnotationProvider.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/annotations/AnnotationReflectionConverter.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/ReferenceByIdMarshallingStrategy.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/IntConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/AnyTypePermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/NoTypePermission.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/mapper/SecurityMapper.java
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  jar/com/thoughtworks/xstream/converters/ConverterRegistry.java
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  jar/com/thoughtworks/xstream/mapper/ArrayMapper.java
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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/FieldKey.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/FieldKeySorter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/ImmutableFieldKeySorter.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/xppdom/Xpp3DomBuilder.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/Dom4JWriter.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/StringBufferConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/Sun14ReflectionProvider.java
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  jar/com/thoughtworks/xstream/io/path/Path.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/ReferenceByXPathMarshallingStrategy.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/ActivationDataFlavorConverter.java
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  jar/com/thoughtworks/xstream/converters/time/YearMonthConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/time/YearConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/time/OffsetTimeConverter.java

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  jar/com/thoughtworks/xstream/io/xml/KXml2Driver.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/xml/Xpp3Driver.java

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  jar/com/thoughtworks/xstream/converters/basic/StringBuilderConverter.java
  /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/basic/UUIDConverter.java
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 * c.t.x.converters.reflection.SerializationMemberInvoker.
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jar/com/thoughtworks/xstream/converters/basic/StringConverter.java
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jar/com/thoughtworks/xstream/annotations/XStreamConverter.java
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jar/com/thoughtworks/xstream/converters/extended/TextAttributeConverter.java
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  jar/com/thoughtworks/xstream/io/xml/xppdom/XppFactory.java
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  jar/com/thoughtworks/xstream/io/json/JettisonMappedXmlDriver.java
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  jar/com/thoughtworks/xstream/annotations/XStreamOmitField.java
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 * com.thoughtworks.xstream.convertersreflection.
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Found in path(s):
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  jar/com/thoughtworks/xstream/converters/SingleValueConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
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  jar/com/thoughtworks/xstream/annotations/XStreamContainedType.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/FieldUtil14.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/SqlTimeConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/extended/CurrencyConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/KXml2DomDriver.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/AbstractXppDomDriver.java
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1.341 cryptsetup 2.0.3-5.el7

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  jar/org/apache/commons/digester/plugins/strategies/LoaderSetProperties.java
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  jar/org/apache/commons/digester/substitution/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/parser/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/plugins/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/xmlrules/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/xmlrules/digester-rules.dtd
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-
  jar/org/apache/commons/digester/plugins/strategies/package.html

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  jar/org/apache/commons/digester/parser/XercesParser.java
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jar/io/netty/resolver/NoopAddressResolver.java

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Found in path(s):
* /opt/cola/permits/1258059292_1643027377.17/0/netty-resolver-4.1.33-final-sources-
jar/io/netty/resolver/RoundRobinInetAddressResolver.java

1.355 d-conf 0.28.0 4.el7

1.356 cxf-rt-transports-udp 3.5.0
1.356.1 Available under license :

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* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/AccessibleObjectHandler.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/AccessibleObjectHandlerJDK9Plus.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/AccessibleObjectHandlerPreJDK9.java
No license file was found, but licenses were detected in source scan.

/*@bgen(jjtree) Generated By:JJTree: Do not edit this line. src/java/ognl/ognl.jj */
/*@eigen*/
//@bgen(jjtree) Generated By:JJTree: Do not edit this line. src/java/ognl/ognl.jj */
//@eigen*/
//@bgen(jjtree) Generated By:JJTree: Do not edit this line. src/java/ognl/ognl.jj */
//@eigen*/

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// DAMAGE.
//@eigen*/

/*
* This file defines the syntax of OGNL, the Object-Graph Navigation Language. This
* language was devised by Drew Davidson, who called it Key-Value Coding Language. Luke
* Blanshard then made up the new name and reimplemented it using ANTLR, refining and
* polishing the language a bit on the way. Drew maintained the system for a couple of
* years; then Luke converted the ANTLR grammar to JavaCC, to eliminate the run-time
*/
* dependency on ANTLR.

* See package.html for a description of the language.

 */

options {
  // Parser options
  LOOKAHEAD = 1;
  STATIC = false;
  JAVA_UNICODE_ESCAPE = true;
  UNICODE_INPUT = true;
}

PARSER_BEGIN(OgnlParser)

package ognl;

import java.math.*;

/**
* OgnlParser is a JavaCC parser class; it translates OGNL expressions into abstract syntax trees (ASTs) that can then be interpreted by the getValue and setValue methods.
*/
public class OgnlParser/*@bgen(jjtree)*/implements OgnlParserTreeConstants/*@egen*/{
 /*@bgen(jjtree)*/
  protected JJTOgnlParserState jjtree = new JJTOgnlParserState();
 /*@egen*/

  /*@egen*/
}

PARSER_END(OgnlParser)

/**
* This is the top-level construct of OGNL.
*/
Node topLevelExpression() : {}
{
  expression() <EOF> { return jjtree.rootNode(); }  
}

// sequence (level 14)
void expression() : {}
{
    assignmentExpression() ( "," /*@bgen(jjtree) #Sequence( 2) */ /\n    {
        ASTSequence jjtn001 = new ASTSequence(JJTSEQUENCE);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        assignmentExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001,  2);
        }
    }
}/*@egen*/

// assignment expression (level 13)
void assignmentExpression() : {}
{
    conditionalTestExpression() [ "=" /*@bgen(jjtree) #Assign( 2) */ /
    {
        ASTAssign jjtn001 = new ASTAssign(JJTASSIGN);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        assignmentExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
        }
}/*@egen*/
jjtree.popNode();
}
if (jjte001 instanceof RuntimeException) {
    throw (RuntimeException)jjte001;
}
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
}
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/

// conditional test (level 12)
void conditionalTestExpression() : {}
{
    logicalOrExpression()
    [ "?" conditionalTestExpression() ":/" /*@bgen(jjtree) */ Test(3) */
    {
        ASTTest jjtn001 = new ASTTest(JJTTEST);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
    /*@egen*/ conditionalTestExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 3);
    }
}
/*@egen*/

// logical or (||) (level 11)
void logicalOrExpression() : {}
{
    logicalAndExpression() (("||" | "or")/*@bgen(jjtree) #Or( 2) */
    {
        ASTOr jjtn001 = new ASTOr(JJTOR);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        logicalAndExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        } else if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001,  2);
        }
    }
}/*@egen*/

/*@egen*/

// logical and (&&) (level 10)
void logicalAndExpression() : {}
{
    inclusiveOrExpression() (("&&" | "and")/*@bgen(jjtree) #And( 2) */
    {
        ASTAnd jjtn001 = new ASTAnd(JJTAND);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        inclusiveOrExpression()/*@bgen(jjtree)*@
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        } else if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001,  2);
        }
    }
}/*@egen*/

/*@egen*/
catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
void inclusiveOrExpression() {
    exclusiveOrExpression() ("|" | "bor")/*@bgen(jjtree) #BitOr(2) */
    {
        ASTBitOr jjtn001 = new ASTBitOr(JJTBITOR);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        /*@egen*/ exclusiveOrExpression()/*@bgen(jjtree)*/
        catch (Throwable jjte001) {
            if (jjtc001) {
                jjtree.clearNodeScope(jjtn001);
                jjtc001 = false;
            } else {
                jjtree.popNode();
            }
            if (jjte001 instanceof RuntimeException) {
                throw (RuntimeException)jjte001;
            }
            if (jjte001 instanceof ParseException) {
                throw (ParseException)jjte001;
            }
            throw (Error)jjte001;
        }
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 2);
        }
    }
}
// exclusive or (^) (level 8)
void exclusiveOrExpression() : {}
{
    andExpression() ("^" | "xor")/*@bgen(jjtree) #Xor( 2) */
    {
        ASTXor jjtn001 = new ASTXor(JJTXOR);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        andExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 2);
        }
    }
    /*@egen*/
}

// bitwise or non-short-circuiting and (&)  (level 7)
void andExpression() : {}
{
    equalityExpression() ("&" | "band")/*@bgen(jjtree) #BitAnd( 2) */
    {
        /*@egen*/
ASTBitAnd jjtn001 = new ASTBitAnd(JJTBITAND);
boolean jjtc001 = true;
jjtree.openNodeScope(jjtn001);
}

try {

/*@egen*/
equalityExpression()/*@bgen(jjtree)*/
}
catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
)
*/

// equality/inequality (==/!=) (level 6)
void equalityExpression() : {}
{
    relationalExpression()
    
    ("==" | "eq")/*@bgen(jjtree) #Eq( 2 )*/
    
    ASTEq jjtn001 = new ASTEq(JJTEQ);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
}

try {

/*@egen*/
relationalExpression()/*@bgen(jjtree)*/
}
catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
if (jjte001 instanceof RuntimeException) {
    throw (RuntimeException)jjte001;
}
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
} throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
| ("!=" | "neq")/*@bgen(jjtree) #NotEq(2)*/
{|
    ASTNotEq jjtn002 = new ASTNotEq(JJTNOTEQ);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
    try {
        /*@egen*/ relationalExpression()/*@bgen(jjtree)/
    } catch (Throwable jjte002) {
        if (jjtc002) {
            jjtree.clearNodeScope(jjtn002);
            jjtc002 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte002 instanceof RuntimeException) {
            throw (RuntimeException)jjte002;
        }
        if (jjte002 instanceof ParseException) {
            throw (ParseException)jjte002;
        } throw (Error)jjte002;
    } finally {
        if (jjtc002) {
            jjtree.closeNodeScope(jjtn002, 2);
        }
    }

/*@egen*/
)
/*

// boolean relational expressions (level 5)
void relationalExpression() : {}
{
    shiftExpression()
    {
        ("<" | "lt")/*@bgen(jjtree) #Less( 2) */
        {
            ASTLess jjtn001 = new ASTLess(JJTLESS);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
            /*@egen*/ shiftExpression()/*@bgen(jjtree)*/
            } catch (Throwable jjte001) {
                if (jjtc001) {
                    jjtree.clearNodeScope(jjtn001);
                    jjtc001 = false;
                } else {
                    jjtree.popNode();
                }
                if (jjte001 instanceof RuntimeException) {
                    throw (RuntimeException)jjte001;
                }
                if (jjte001 instanceof ParseException) {
                    throw (ParseException)jjte001;
                }
                throw (Error)jjte001;
            } finally {
                if (jjtc001) {
                    jjtree.closeNodeScope(jjtn001,  2);
                }
            }
        }
    }
    /*@egen*/
    |
        (">" | "gt")/*@bgen(jjtree) #Greater( 2) */
        {
            ASTGreater jjtn002 = new ASTGreater(JJTGREATER);
            boolean jjtc002 = true;
            jjtree.openNodeScope(jjtn002);
        }
        try {
            /*@egen*/ shiftExpression()/*@bgen(jjtree)*/
            } catch (Throwable jjte002) {
                if (jjtc002) {
                    jjtree.clearNodeScope(jjtn002);
                    jjtc002 = false;
                } else {
                    jjtree.popNode();
                }
            }
        }
if (jjte002 instanceof RuntimeException) {
    throw (RuntimeException)jjte002;
}
if (jjte002 instanceof ParseException) {
    throw (ParseException)jjte002;
} throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}

/*@egen*/
| ("<=" | "lte")/*@bgen(jjtree) #LessEq( 2) */ {
    ASTLessEq jjtn003 = new ASTLessEq(JJTLESSEQ);
    boolean jjtc003 = true;
    jjtree.openNodeScope(jjtn003);
}
try {
   /*@egen*/ shiftExpression()/*@bgen(jjtree)*/
    catch (Throwable jjte003) {
        if (jjtc003) {
            jjtree.clearNodeScope(jjtn003);
            jjte003 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte003 instanceof RuntimeException) {
            throw (RuntimeException)jjte003;
        }
        if (jjte003 instanceof ParseException) {
            throw (ParseException)jjte003;
        }
        throw (Error)jjte003;
    } finally {
        if (jjtc003) {
            jjtree.closeNodeScope(jjtn003, 2);
        }
    }

/*@egen*/
| (">=" | "gte")/*@bgen(jjtree) #GreaterEq( 2) */ {
    ASTGreaterEq jjtn004 = new ASTGreaterEq(JJTGREATEREQ);
    boolean jjtc004 = true;
    jjtree.openNodeScope(jjtn004);
try {
    shiftExpression() catch (Throwable jjte004) {
        if (jjtc004) {
            jjtree.clearNodeScope(jjtn004);
            jjtc004 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte004 instanceof RuntimeException) {
            throw (RuntimeException)jjte004;
        }
        if (jjte004 instanceof ParseException) {
            throw (ParseException)jjte004;
        }
        throw (Error)jjte004;
    } finally {
        if (jjtc004) {
            jjtree.closeNodeScope(jjtn004, 2);
        }
    }
}

/*@egen*/
| "in" /*@bgen(jjtree) #In( 2) */

ASTIn jjtn005 = new ASTIn(JTIN);
boolean jjtc005 = true;
jjtree.openNodeScope(jjtn005);
try {
    shiftExpression() /*@bgen(jjtree)*/
} catch (Throwable jjte005) {
    if (jjtc005) {
        jjtree.clearNodeScope(jjtn005);
        jjtc005 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte005 instanceof RuntimeException) {
        throw (RuntimeException)jjte005;
    }
    if (jjte005 instanceof ParseException) {
        throw (ParseException)jjte005;
    }
    throw (Error)jjte005;
} finally {
    if (jjtc005) {

jjtree.closeNodeScope(jjtn005, 2);
}
}
/*@egen*/
|
"not" "in"/*@bgen(jjtree) #NotIn( 2) */{
ASTNotIn jjtn006 = new ASTNotIn(JJTNOTIN);
boolean jjtc006 = true;
jjtree.openNodeScope(jjtn006);
}
try {
/*@egen*/ shiftExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte006) {
if (jjtc006) {
jjtree.clearNodeScope(jjtn006);
jjtc006 = false;
} else {
jjtree.popNode();
}
if (jjte006 instanceof RuntimeException) {
throw (RuntimeException)jjte006;
}
if (jjte006 instanceof ParseException) {
throw (ParseException)jjte006;
}
throw (Error)jjte006;
} finally {
if (jjtc006) {
jjtree.closeNodeScope(jjtn006, 2);
}
}
/*@egen*/
)*
}

// bit shift expressions (level 4)
void shiftExpression() : {}
{
  additiveExpression()
  ("<<" | "shl")/*@bgen(jjtree) #ShiftLeft( 2) */{
  ASTShiftLeft jjtn001 = new ASTShiftLeft(JJTSHIFTLIGHT);
  boolean jjtc001 = true;
  jjtree.openNodeScope(jjtn001);
}
try {
    additiveExpression();
    catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 2);
        }
    }

    addi(ShiftRight(2)) {
        ASTShiftRight jjtn002 = new ASTShiftRight(JJTSHIFTRIGHT);
        boolean jjtc002 = true;
        jjtree.openNodeScope(jjtn002);
        try {
            additiveExpression();
            catch (Throwable jjte002) {
                if (jjtc002) {
                    jjtree.clearNodeScope(jjtn002);
                    jjtc002 = false;
                } else {
                    jjtree.popNode();
                }
                if (jjte002 instanceof RuntimeException) {
                    throw (RuntimeException)jjte002;
                }
                if (jjte002 instanceof ParseException) {
                    throw (ParseException)jjte002;
                }
                throw (Error)jjte002;
            } finally {
                if (jjtc002) {
                    jjtree.closeNodeScope(jjtn002, 2);
                }
            }
        } finally {
            if (jjtc002) {
                jjtree.closeNodeScope(jjtn002, 2);
            }
        }
    }
}
// binary addition/subtraction (level 3)
void additiveExpression() : {} 
{
    multiplicativeExpression()
    ("+" /*@egen*/ #Add(  2) */
    { 
        ASTAdd jjtn001 = new ASTAdd(JJTADD);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    } try {
/*@egen*/ additiveExpression() /*@bgen(jjtree)*/
        } catch (Throwable jjte003) {
            if (jjtc001) {
                jjtree.clearNodeScope(jjtn003);
                jjtc003 = false;
            } else {
                jjtree.popNode();
            }
            if (jjte003 instanceof RuntimeException) {
                throw (RuntimeException)jjte003;
            }
            if (jjte003 instanceof ParseException) {
                throw (ParseException)jjte003;
            }
            throw (Error)jjte003;
        } finally {
            if (jjtc003) {
                jjtree.closeNodeScope(jjtn003,  2);
            }
        }
/*@egen*/
    )*
}
```java
/*@egen*/ multiplicativeExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
        throw (Error)jjte001;
    } finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
|
".-"/*@bgen(jjtree) #Subtract(2) */
|
ASTSubtract jjtn002 = new ASTSubtract(JJTSUBTRACT);
boolean jjtc002 = true;
jjtree.openNodeScope(jjtn002);
try {
/*@egen*/ multiplicativeExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
        throw (Error)jjte002;
    } finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
```
// multiplication/division/remainder (level 2)
void multiplicativeExpression() : {}
{
    unaryExpression()
    ( "*/"/*@bgen(jjtree) #Multiply( 2) */
        {
            ASTMultiply jjtn001 = new ASTMultiply(JJTMULTIPLY);
            boolean jjtc001 = true;
            jjtree.openConnectionScope(jjtn001);
        }
    try {
        unaryExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 2);
        }
    }
}/*@egen*/
| "|"/*@bgen(jjtree) #Divide( 2) */
    {
        ASTDivide jjtn002 = new ASTDivide(JJTDIVIDE);
        boolean jjtc002 = true;
        jjtree.openConnectionScope(jjtn002);
    }
    try {
        unaryExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002,  2);
    }
}

/*@egen*/
 |
"%"/*@bgen(jjtree) #Remainder( 2) */
 |
{  
    ASTRemainder jjtn003 = new ASTRemainder(JJTREMAINDER);
    boolean jjtc003 = true;
    jjtree.openNodeScope(jjtn003);
    try {  
    /*@egen*/ unaryExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte003) {
    if (jjtc003) {
        jjtree.clearNodeScope(jjtn003);
        jjtc003 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte003 instanceof RuntimeException) {
        throw (RuntimeException)jjte003;
    }
    if (jjte003 instanceof ParseException) {
        throw (ParseException)jjte003;
    }
    throw (Error)jjte003;
} finally {
    if (jjtc003) {
        jjtree.closeNodeScope(jjtn003,  2);
    }
}
// unary (level 1)
void unaryExpression() : {
    StringBuffer sb;
    Token t;
    ASTInstanceof ionode;
}
{
    (  
        "-"/*@bgen(jjtree) #Negate( 1) */
        {
            ASTNegate jjtn001 = new ASTNegate(JJTNEGATE);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
            unaryExpression()/*@bgen(jjtree)*/
        } catch (Throwable jjte001) {
            if (jjtc001) {
                jjtree.clearNodeScope(jjtn001);
                jjtc001 = false;
            } else {
                jjtree.popNode();
            }
            if (jjte001 instanceof RuntimeException) {
                throw (RuntimeException)jjte001;
            }
            if (jjte001 instanceof ParseException) {
                throw (ParseException)jjte001;
            }
            throw (Error)jjte001;
        } finally {
            if (jjtc001) {
                jjtree.closeNodeScope(jjtn001,  1);
            }
        }
    } /*@egen*/ unaryExpression()/*@bgen(jjtree)*/
    |
    "+" unaryExpression() // Just leave it there
    |
    "~"/*@bgen(jjtree) #BitNegate( 1) */
    {
        ASTBitNegate jjtn002 = new ASTBitNegate(JJTBITNEGATE);
        boolean jjtc002 = true;
        jjtree.openNodeScope(jjtn002);
try {
    catch ( Throwable jjte002 ) {
        if (jjtc002) {
            jjtree.clearNodeScope(jjtn002);
            jjtc002 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte002 instanceof RuntimeException) {
            throw (RuntimeException)jjte002;
        }
        if (jjte002 instanceof ParseException) {
            throw (ParseException)jjte002;
        }
        throw (Error)jjte002;
    } finally {
        if (jjtc002) {
            jjtree.closeNodeScope(jjtn002, 1);
        }
    }
} catch ( Throwable jjte003 ) {
    if (jjtc003) {
        jjtree.clearNodeScope(jjtn003);
        jjtc003 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte003 instanceof RuntimeException) {
        throw (RuntimeException)jjte003;
    }
    if (jjte003 instanceof ParseException) {
        throw (ParseException)jjte003;
    }
    throw (Error)jjte003;
} finally {
    if (jjtc003) {
navigationChain()
{
  "instanceof"
  t = <IDENT>/*@bgen(jjtree) #Instanceof( 1) */
  {
    ASTInstanceof jjtn004 = new ASTInstanceof(JJTINSTANCEOF);
    boolean jjtc004 = true;
    jjtree.openNodeScope(jjtn004);
  }
  try {
    /*@egen*/
    /* Prevent the "eval" ambiguity from issuing a warning; see discussion below. */
    /*@egen*/
    try {
      jjtree.closeNodeScope(jjtn004, 1);
      jjtc004 = false;
    } finally {
      if (jjtc004) {
        jjtree.closeNodeScope(jjtn004, 1);
      }
    }
    /*@egen*/
    ( "." t = <IDENT> 
      { sb.append(\').append( t.image ); }
    )
      { ionode.setTargetType( new String(sb) ); }
  }
}

// navigation chain: property references, method calls, projections, selections, etc.
void navigationChain() : {}
{
  primaryExpression()
  ( "."//*@bgen(jjtree) #Chain( 2) */
    { ASTChain jjtn001 = new ASTChain(JJTCHAIN);
      boolean jjtc001 = true;
      jjtree.openNodeScope(jjtn001);
    }
    try {
      /*@egen*/
      ( /* Prevent the "eval" ambiguity from issuing a warning; see discussion below. */
        ( LOOKAHEAD(2) methodCall() | propertyName() )
      )
    }
  }
}
// Also handle "\{", which requires a lookahead of 2.
| ( LOOKAHEAD(2) projection() | selection() )
| "(" expression() ")"
)/*@bgen(jjtree)*/
} catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001,  2);
    }
}
/*@egen*/

/*@bgen(jjtree) #Chain( 2) */
{
    ASTChain jjtn002 = new ASTChain(JJTCHAIN);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
}
try {
    /*@egen*/  index()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {

if (jjtc002) {
    jjtree.closeNodeScope(jjtn002, 2);
}
} /*@egen*/

| "(" expression()/*@bgen(jjtree) #Eval( 2) */
    {
        ASTEval jjtn003 = new ASTEval(JJTEVAL);
        boolean jjtc003 = true;
        jjtree.openNodeScope(jjtn003);
    }
try {
   /*@egen*/
    
    } finally {
    if (jjtc003) {
        jjtree.closeNodeScope(jjtn003, 2);
    }
    }
/*@egen*/

/* Using parentheses to indicate evaluation of the current object makes this language ambiguous, because the expression "ident(args)" could be seen as a single method call or as a property name followed by an evaluation. We always put the method call first and turn off the ambiguity warning; we always want to interpret this as a method call. */

    )*/
}

void primaryExpression() : {
    Token t;
    String className = null;
    } {
    (</CHAR_LITERAL> |</BACK_CHAR_LITERAL> | </STRING_LITERAL> | </INT_LITERAL> | </FLT_LITERAL)>/*@bgen(jjtree) #Const( 0) */
        {
            ASTConst jjtn001 = new ASTConst(JJTCNST);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
try {
   /*@egen*//*@bgen(jjtree)*/
{jjtree.closeNodeScope(jjtn001, 0);
jjtc001 = false;
}

/*@egen*/
{jjtn001.setValue(token_source.literalValue);}/*@bgen(jjtree)*/
} finally {
  if (jjtc001) {
    jjtree.closeNodeScope(jjtn001, 0);
  }
}

/*@egen*/
| "true"/*@bgen(jjtree)#Const(0)*/
{ASTConst jjtn002 = new ASTConst(JJTCONST);
  boolean jjtc002 = true;
  jjtree.openNodeScope(jjtn002);
} try {
/*@egen*/
{jjtree.closeNodeScope(jjtn002, 0);
jjtc002 = false;
}
/*@egen*/
{jjtn002.setValue(Boolean(TRUE));}/*@bgen(jjtree)*/
} finally {
  if (jjtc002) {
    jjtree.closeNodeScope(jjtn002, 0);
  }
}

/*@egen*/
| "false"/*@bgen(jjtree)#Const(0)*/
{ASTConst jjtn003 = new ASTConst(JJTCONST);
  boolean jjtc003 = true;
  jjtree.openNodeScope(jjtn003);
} try {
/*@egen*/
{jjtree.closeNodeScope(jjtn003, 0);
jjtc003 = false;
}
/*@egen*/
{jjtn003.setValue(Boolean.FALSE);}/*@bgen(jjtree)*/
} finally {
  if (jjtc003) {

/*@egen*/
|
LOOKAHEAD(2) "#" t=IDENT|/*@bgen(jjtree) #VarRef( 0) */
{
ASTVarRef jjtn007 = new ASTVarRef(JJTVARREF);
boolean jjtc007 = true;
jjtree.openNodeScope(jjtn007);
}
try {
/*@egen*/|/*@bgen(jjtree)*/
{
jjtree.closeNodeScope(jjtn007, 0);
jjtc007 = false;
}
/*@egen*/
{
jjtn007.setName(t.image); }/*@bgen(jjtree)*/
}
finally {
if (jjtc007) {
jjtree.closeNodeScope(jjtn007, 0);
}
}
/*@egen*/
|
LOOKAHEAD(2) ":" " "]"|/*@bgen(jjtree) #Const( 1) */
{
ASTConst jjtn008 = new ASTConst(JJTCONST);
boolean jjtc008 = true;
jjtree.openNodeScope(jjtn008);
}
try {
/*@egen*/|/*@bgen(jjtree)*/
{
jjtree.closeNodeScope(jjtn008, 1);
jjtc008 = false;
}
/*@egen*/
{
jjtn008.setValue(jjtn008.jjtGetChild(0)); }/*@bgen(jjtree)*/
}
finally {
if (jjtc008) {
jjtree.closeNodeScope(jjtn008, 1);
}
staticReference()
|
LOOKAHEAD(2) constructorCall()
|
// Prevent the "eval" ambiguity from issuing a warning; see discussion elsewhere.
( LOOKAHEAD(2) methodCall() | propertyName() )
|
index()
|
"
expression()
"
|
"{/*@bgen(jjtree) List */
 |
ASTList jjtn009 = new ASTList(JJTLIST);
boolean jjtc009 = true;
jjtree.openNodeScope(jjtn009);
} try {
/*@egen*/
[assignmentExpression() ("," assignmentExpression())*]/*@bgen(jjtree)*/
 |
catch (Throwable jjte009) {
 if (jjtc009) {
jjtree.clearNodeScope(jjtn009);
jjtc009 = false;
} else {
jjtree.popNode();
}
if (jjte009 instanceof RuntimeException) {
 throw (RuntimeException)jjte009;
}
if (jjte009 instanceof ParseException) {
 throw (ParseException)jjte009;
}
throw (Error)jjte009;
} finally {
 if (jjtc009) {
jjtree.closeNodeScope(jjtn009, true);
}
}
/*@egen*/
"
|
LOOKAHEAD(2)/*@bgen(jjtree) Map */
 |
ASTMap jjtn010 = new ASTMap(JJTMAP);
boolean jjtc010 = true;
jjtree.openNodeScope(jjtn010);
)
try {
/*@egen*/ ( "#" (className=classReference())? "" [keyValueExpression() ("," keyValueExpression())*] 
jjtn010.setClassName(className); "}" )/*@bgen(jjtree)*/
} catch (Throwable jjte010) {
    if (jjtc010) {
        jjtree.clearNodeScope(jjtn010);
        jjtc010 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte010 instanceof RuntimeException) {
        throw (RuntimeException)jjte010;
    }
    if (jjte010 instanceof ParseException) {
        throw (ParseException)jjte010;
    }
    throw (Error)jjte010;
} finally {
    if (jjtc010) {
        jjtree.closeNodeScope(jjtn010, true);
    }
}
/*@egen*/
}
}

void keyValueExpression() : {} /*@bgen(jjtree) KeyValue */
{
    ASTKeyValue jjtn001 = new ASTKeyValue(JJTKEYVALUE);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
    try {
/*@egen*/
( assignmentExpression() (":" assignmentExpression())? )/*@bgen(jjtree)*/
} catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
}
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, true);
    }
}
/*@egen*/
}

void staticReference() {
    String className = "java.lang.Math";
    Token t;
}

className=classReference()
( // Prevent the "eval" ambiguity from issuing a warning; see discussion elsewhere.
    LOOKAHEAD(2)
    staticMethodCall( className )
    |
    t=<IDENT>/*@bgen(jjtree) #StaticField( 0) */
    |
    [ASTStaticField jjtn001 = new ASTStaticField(JJTSTATICFIELD);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
    ]
    try {
       /*@egen*//*@bgen(jjtree)*/
        |
        [jjtree.closeNodeScope(jjtn001, 0);
        jjtc001 = false;
        ]
       /*@egen*/
        [jjtn001.init( className, t.image );]/*@bgen(jjtree)*/
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 0);
        }
    }
    }/*@egen*/
}

String classReference(): {
    String result = "java.lang.Math";
}
}
"@" (result=className())? "@" { return result; }
}

String className(): {
    Token t;
    StringBuffer result;
}
{
    t=<IDENT>       { result = new StringBuffer( t.image ); }
    ( "." t=<IDENT>   { result.append('.').append( t.image ); }
     )*          { return new String(result); }
}

void constructorCall() : {/*@bgen(jjtree) Ctor */
    ASTCtor jjtn000 = new ASTCtor(JJTCTOR);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    String className;
    Token t;
    StringBuffer sb;
    try {
        try {
            "new" className=className() 
                ( LOOKAHEAD(2) ( "( [ assignmentExpression() ( "," assignmentExpression() )* ] " ) ) /*@bgen(jjtree) */
                {
                    jjtree.closeNodeScope(jjtn000, true);
                    jjtc000 = false;
                }
            /*@egen*/ [assignmentExpression() ("," assignmentExpression())*/ /*@bgen(jjtree)*/
                {
                    jjtn000.setClassName(className);
                }
            }
        }
        LOOKAHEAD(2) ( "[ ]" "("/*@bgen(jjtree) List */
            {
                ASTList jjtn001 = new ASTList(JJTLIST);
                boolean jjtc001 = true;
                jjtree.openNodeScope(jjtn001);
            }
        try {
        /*@egen*/ [assignmentExpression() ("," assignmentExpression())*/ /*@bgen(jjtree)*/
    }
}
catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, true);
    }
}

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

} /*@egen*/
{
    jjtn000.setClassName(className);
    jjtn000.setArray(true);
}

)
)

LOOKAHEAD(2) ( "[" assignmentExpression() "]" /*@bgen(jjtree)*/
{
    jjtree.closeNodeScope(jjtn000, true);
    jjtc000 = false;
}

) /*@egen*/
{
    jjtn000.setClassName(className);
    jjtn000.setArray(true);
}

) /*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
} else {
    jjtree.popNode();
}

if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
}

if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}

throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}

/*@egen*/

void propertyName() : {/*@bgen(jjtree) Property */
    ASTProperty jjtn000 = new ASTProperty(JJTPROPERTY);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    Token t;
    }
    {/*@bgen(jjtree) Property */
    try {
        t=<IDENT>/*@bgen(jjtree) Const */
        {
            ASTConst jjtn001 = new ASTConst(JJTCONST);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
           /*@egen*//*@bgen(jjtree)*/
            {
                jjtree.closeNodeScope(jjtn001, true);
                jjtc001 = false;
            }
           /*@egen*/} /*@bgen(jjtree)*/
            { jjtn001.setValue(t.image); }/*@bgen(jjtree)*/
        } finally {
            if (jjtc001) {
                jjtree.closeNodeScope(jjtn001, true);
            }
        }
    } finally {
    }/*@egen*/
    /*@bgen(jjtree)*/
}
void staticMethodCall(String className) {
    ASTStaticMethod jjtn000 = new ASTStaticMethod(JJTSTATICMETHOD);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    Token t;
    }
    /*@egen*/
    try {
    /*@egen*/
    t=<IDENT> "(" [ assignmentExpression() ( "," assignmentExpression() )* ] ")";/*@bgen(jjtree)*/
        
        jjtree.closeNodeScope(jjtn000, true);
        jjtc000 = false;
    }/*@egen*/
    jjtn000.init(className, t.image); /*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
} /*@egen*/
}

void methodCall() { /*@bgen(jjtree) Method */
    ASTMethod jjtn000 = new ASTMethod(JJTMETHOD);
void projection() {
    ASTProject jjtn000 = new ASTProject(JJTPROJECT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    try {
        ASTProject jjtn000 = new ASTProject(JJTPROJECT);
        boolean jjtc000 = true;
        jjtree.openNodeScope(jjtn000);
        try {
            t=<IDENT> "(" [ assignmentExpression() ( "," assignmentExpression() )* ] ")";
            jjtree.closeNodeScope(jjtn000, true);
            jjtc000 = false;
        }
        catch (Throwable jjte000) {
            if (jjtc000) {
                jjtree.clearNodeScope(jjtn000);
                jjtc000 = false;
            } else {
                jjtree.popNode();
            }
            if (jjte000 instanceof RuntimeException) {
                throw (RuntimeException)jjte000;
            }
            if (jjte000 instanceof ParseException) {
                throw (ParseException)jjte000;
            }
            throw (Error)jjte000;
        }
        finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    }
}
/**
 * Apply a boolean expression to all elements of a collection, creating a new collection
 * containing those elements for which the expression returned true.
 */
void selectAll() : {
    LOOKAHEAD(2) selectAll()
    |
    LOOKAHEAD(2) selectFirst()
    |
    LOOKAHEAD(2) selectLast()
}

/*@egen*/
"{ " expression() " }"/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}

void selection() : {}

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ifdef(VERSION_14SU2)

ifdef(3929)

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ifdef(3929)

ifdef(OPEN_SOURCE)

ifdef(CiscoUnifiedCommunicationManager)

ifdef(VERSION_14SU2)

ifdef(3929)
if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, true);
}
/*@egen*/
}

/**
 * Apply a boolean expression to all elements of a collection, creating a new collection
 * containing those elements for the first element for which the expression returned true.
 */
void selectLast() : /*@bgen(jjtree) SelectLast */
    ASTSelectLast jjtn000 = new ASTSelectLast(JJTSELECTLAST);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
}/*@bgen(jjtree) SelectLast */
try {
    try {
    "{" "$" expression() ""}="/bgen(jjtree)*/
    } catch (Throwable jjte000) {
        if (jjtc000) {
            jjtree.clearNodeScope(jjtn000);
            jjtc000 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte000 instanceof RuntimeException) {
            throw (RuntimeException)jjte000;
        }
        if (jjte000 instanceof ParseException) {
            throw (ParseException)jjte000;
        }
        throw (Error)jjte000;
    }
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@egen*/
}

void index() : /*@bgen(jjtree) Property */
    ASTProperty jjtn000 = new ASTProperty(JJTPROPERTY);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
}/*@bgen(jjtree) Property */
try {
"[" expression() "]"*/@bgen(jjtree)*/
{
    jjtree.closeNodeScope(jjtn000, true);
    jjtc000 = false;
} /*@egen*/ { jjtn000.setIndexedAccess(true); }

<DYNAMIC_SUBSCRIPT>/*@bgen(jjtree) Const */
{
    ASTConst jjtn001 = new ASTConst(JJTCONST);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
}
try {
    jjtree.closeNodeScope(jjtn001, true);
    jjtc001 = false;
} /*@egen*/ { jjtn001.setValue( token_source.literalValue ); }/*@bgen(jjtree)*/
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, true);
    }
}

/*@egen*/ /*@bgen(jjtree)*/
{
    jjtree.closeNodeScope(jjtn000, true);
    jjtc000 = false;
}
/*@egen*/
{
    jjtn000.setIndexedAccess(true);
} /*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
}
}
throw (Error)jjte000;
} finally {
if (jjtc000) {
jjtree.closeNodeScope(jjtn000, true);
}
}
/*@egen*/
}
// LEXER PRODUCTIONS
TOKEN_MGR_DECLS:
{
/** Holds the last value computed by a constant token. */
Object literalValue;
/** Holds the last character escaped or in a character literal. */
private char charValue;
/** Holds char literal start token. */
private char charLiteralStartQuote;
/** Holds the last string literal parsed. */
private StringBuffer stringBuffer;
/** Converts an escape sequence into a character value. */
private char escapeChar()
{
int ofs = image.length() - 1;
switch ( image.charAt(ofs) ) {
case 'n': return '\n';
case 'r': return '\r';
case 't': return '\t';
case 'b': return '\b';
case 'f': return '\f';
case '\\': return '\\';
case '\'': return '\'';
case '\"': return '\"';
}
// Otherwise, it's an octal number. Find the backslash and convert.
while ( image.charAt(--ofs) != '\\' )
{}
int value = 0;
while ( ++ofs < image.length() )
value = (value << 3) | (image.charAt(ofs) - '0');
return (char) value;
}
private Object makeInt()

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{  
  Object  result;
  String  s = image.toString();
  int     base = 10;

  if ( s.charAt(0) == '0' )
      base = (s.length() > 1 && (s.charAt(1) == 'x' || s.charAt(1) == 'X'))? 16 : 8;
  if ( base == 16 )
      s = s.substring(2); // Trim the 0x off the front
  switch ( s.charAt(s.length()-1) ) {
    case 'l': case 'L':
      result = Long.valueOf( s.substring(0,s.length()-1), base );
      break;

    case 'h': case 'H':
      result = new BigInteger( s.substring(0,s.length()-1), base );
      break;

    default:
      result = Integer.valueOf( s, base );
      break;
  }
  return result;
}

private Object makeFloat()
{
    String s = image.toString();
    switch ( s.charAt(s.length()-1) ) {
      case 'f': case 'F':
        return Float.valueOf( s );
      case 'b': case 'B':
        return new BigDecimal( s.substring(0,s.length()-1) );
      case 'd': case 'D':
        default:
          return Double.valueOf( s );
    }
}

// Whitespace -- ignored
SKIP: { " " | \t | \f | \r | \n }  

// An identifier.
TOKEN:
/**
 * Token for "dynamic subscripts", which are one of: [^], [[]], [$], and [^*]. The
 * appropriate constant from the DynamicSubscript class is stored in the token manager's
 * "value" field.
 * */

TOKEN:
{
  < DYNAMIC_SUBSCRIPT: "[" ["^", "|", "$", "]" ]" >
  
}
switch (image.charAt(1)) {
  case '^': literalValue = DynamicSubscript.first; break;
  case '|': literalValue = DynamicSubscript.mid; break;
  case '$': literalValue = DynamicSubscript.last; break;
  case '*': literalValue = DynamicSubscript.all; break;
  }
}

/**
 * Character and string literals, whose object value is stored in the token manager's
 * "literalValue" field.
 */

MORE: {
  "``" : WithinBackCharLiteral
  |
  ""`` { stringBuffer = new StringBuffer(); } : WithinCharLiteral
  |
  "\"" { stringBuffer = new StringBuffer(); } : WithinStringLiteral
}

<WithinCharLiteral> MORE: {
  < ESC: \" ( ["n","r","t","b","f","w","\",","\",","\"]
    | (["0"-"3"])? ["0"-"7"] (["0"-"7"])?
  )
>
  { charValue = escapeChar(); stringBuffer.append(charValue); }
  |
  < (~["'","\"] ) >
  { charValue = image.charAt( image.length()-1 ); stringBuffer.append(charValue); }
  }

<WithinCharLiteral> TOKEN: {
  < CHAR_LITERAL: ""``>
    {
      if (stringBuffer.length() == 1) {
        literalValue = new Character( charValue );
      } else {
        literalValue = new String( stringBuffer );
      }
    }
    : DEFAULT
  }

<WithinBackCharLiteral> MORE:
/**
 * Integer or real Numeric literal, whose object value is stored in the token manager's
 * "literalValue" field.
 */

TOKEN:
{
< INT_LITERAL:
( "0" ("[0"-"7"]| ["1"-"9"] ("0"-"9")]| "0" ["A","Z"] (["0"-"9","a"-"f","A"-"F"]+ )
(["l","L","h","H"])?)
>
{ literalValue = makeInt(); } 
| < FLT_LITERAL:
( <DEC_FLT> (<EXPONENT>)? (<FLT_SUFF>)? | <DEC_DIGITS> <EXPONENT> (<FLT_SUFF>)? | <DEC_DIGITS> <FLT_SUFF>
) )
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* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/package.html
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//documentation and/or other materials provided with the distribution.
options {
  // Parser options
  LOOKAHEAD = 1;
  STATIC = false;
  JAVA_UNICODE_ESCAPE = true;
  UNICODE_INPUT = true;

  // Tree options
  MULTI = true;
  NODE_DEFAULT_VOID = true;
}

PARSER_BEGIN(OgnlParser)

package ognl;

import java.math.*;

/**
* This file defines the syntax of OGNL, the Object-Graph Navigation Language. This
* language was devised by Drew Davidson, who called it Key-Value Coding Language. Luke
* Blanshard then made up the new name and reimplemented it using ANTLR, refining and
* polishing the language a bit on the way. Drew maintained the system for a couple of
* years; then Luke converted the ANTLR grammar to JavaCC, to eliminate the run-time
* dependency on ANTLR.
*
* See package.html for a description of the language.
*/
OgnlParser is a JavaCC parser class; it translates OGNL expressions into abstract syntax trees (ASTs) that can then be interpreted by the getValue and setValue methods.

```java
public class OgnlParser {
    
    PARSER_END(OgnlParser)
}
```

/**
 * This is the top-level construct of OGNL.
 */
Node topLevelExpression() : {}
{
    expression() <EOF> { return jjtree.rootNode(); }
}

// sequence (level 14)
void expression() : {}
{
    assignmentExpression() ( "," assignmentExpression() #Sequence(2) )*
}

// assignment expression (level 13)
void assignmentExpression() : {}
{
    conditionalTestExpression() [ "=" assignmentExpression() #Assign(2) ]
}

// conditional test (level 12)
void conditionalTestExpression() : {}
{
    logicalOrExpression()
        [ "?" conditionalTestExpression() ":" conditionalTestExpression() #Test(3) ]
}

// logical or (||) (level 11)
void logicalOrExpression() : {}
{
    logicalAndExpression() (("[" | "or") logicalAndExpression() #Or(2) )*
}

// logical and (&&) (level 10)
void logicalAndExpression() : {}
```
// bitwise or non-short-circuiting or (|) (level 9)
void inclusiveOrExpression() : {}
{
    exclusiveOrExpression() (("|" | "bor") exclusiveOrExpression() #BitOr(2)) *
}

// exclusive or (^) (level 8)
void exclusiveOrExpression() : {}
{
    andExpression() (("^" | "xor") andExpression() #Xor(2)) *
}

// bitwise or non-short-circuiting and (&) (level 7)
void andExpression() : {}
{
    equalityExpression() (("&" | "band") equalityExpression() #BitAnd(2)) *
}

// equality/inequality (==/!=) (level 6)
void equalityExpression() : {}
{
    relationalExpression()
    {
        ("==" | "eq") relationalExpression() #Eq(2)
        |
        ("!=" | "neq") relationalExpression() #NotEq(2)
    }*
}

// boolean relational expressions (level 5)
void relationalExpression() : {}
{
    shiftExpression()
    {
        ("<" | "lt") shiftExpression() #Less(2)
        |
        (">" | "gt") shiftExpression() #Greater(2)
        |
        ("<=" | "lte") shiftExpression() #LessEq(2)
    }
}

// boolean relational expressions (level 5)
// bit shift expressions (level 4)
void shiftExpression(): {}
{
    additiveExpression()
    {
        ("<<" | "shl") additiveExpression() #ShiftLeft(2)
        |
        (">>" | "shr") additiveExpression() #ShiftRight(2)
        |
        (">>>" | "ushr") additiveExpression() #UnsignedShiftRight(2)
    }*
}

// binary addition/subtraction (level 3)
void additiveExpression(): {}
{
    multiplicativeExpression()
    {
        "+" multiplicativeExpression() #Add(2)
        |
        "-" multiplicativeExpression() #Subtract(2)
    }*
}

// multiplication/division/remainder (level 2)
void multiplicativeExpression(): {}
{
    unaryExpression()
    {
        "+" unaryExpression() #Multiply(2)
        |
        "/" unaryExpression() #Divide(2)
        |
        "%" unaryExpression() #Remainder(2)
    }*
}
// unary (level 1)
void unaryExpression() : {
    StringBuffer sb;
    Token t;
    ASTInstanceof ionode;
}
{
    ("-" unaryExpression() #Negate(1)
     | "+" unaryExpression() // Just leave it there
     | "~" unaryExpression() #BitNegate(1)
     | ("!" | "not") unaryExpression() #Not(1)
     | navigationChain()
    [ "instanceof"
        t = <IDENT> { sb = new StringBuffer(t.image); ionode = jjtThis; } #Instanceof(1)
        ( "." t = <IDENT> { sb.append('.').append( t.image ); }
          )* { ionode.setTargetType( new String(sb) ); }
    ]
    )
}

// navigation chain: property references, method calls, projections, selections, etc.
void navigationChain() : {} { }
{
    primaryExpression()
    ( "."
        ( /* Prevent the "eval" ambiguity from issuing a warning; see discussion below. */
          ( LOOKAHEAD(2) methodCall() | propertyName() )
            // Also handle "][", which requires a lookahead of 2.
          | ( LOOKAHEAD(2) projection() | selection() )
          | "(" expression() ")"
        ) #Chain(2)
    | index() #Chain(2)
    | "(" expression() ")" #Eval(2)
    )
    /* Using parentheses to indicate evaluation of the current object makes this language ambiguous, because the expression "ident(args)" could be seen as a single method call or as a property name followed by an
evaluation. We always put the method call first and
turn off the ambiguity warning; we always want to
interpret this as a method call. */

)*
}

void primaryExpression() : {
    Token t;
    String className = null;
}
{
    (<CHAR_LITERAL> | <BACK_CHAR_LITERAL> | <STRING_LITERAL> | <INT_LITERAL> |
    <FLT_LITERAL>)
        { jjtThis.setValue( token_source.literalValue ); } #Const(0)
    |
    "true"                                  { jjtThis.setValue( Boolean.TRUE ); }  #Const(0)
    |
    "false"                                 { jjtThis.setValue( Boolean.FALSE ); } #Const(0)
    |
    "null" #Const(0)                        // Null is the default value in an ASTConst
    |
    LOOKAHEAD(2) "#this"                 { jjtThis.setName( "this" ); } #ThisVarRef(0)
    |
    LOOKAHEAD(2) "#root"                 { jjtThis.setName( "root" ); } #RootVarRef(0)
    |
    LOOKAHEAD(2) "#" t=<IDENT>              { jjtThis.setName( t.image ); } #VarRef(0)
    |
    LOOKAHEAD(2) ":" [" expression ()"]   { jjtThis.setValue( jjtThis.jjtGetChild(0) ); } #Const(1)
    |
    staticReference()
    |
    LOOKAHEAD(2) constructorCall()
    |
    // Prevent the "eval" ambiguity from issuing a warning; see discussion elsewhere.
    ( LOOKAHEAD(2) methodCall() | propertyName() )
    |
    index()
    |
    "(" expression () ")"
    |
    "[" [assignmentExpression() ("," assignmentExpression())]* #List ""]"
    |
    LOOKAHEAD(2) ( "#" (className=classReference())? "[" [keyValueExpression() ("," 
    keyValueExpression())]* ] { jjtThis.setClassName(className); } ""] " ) #Map
)
void keyValueExpression() : {} {
    ( assignmentExpression("":"" assignmentExpression())? ) #KeyValue
}

void staticReference() : {
    String className = "java.lang.Math";
    Token t;
}

className=classReference()
    ( // Prevent the "eval" ambiguity from issuing a warning; see discussion elsewhere.
        LOOKAHEAD(2)
        staticMethodCall( className )
    |
    t=<IDENT> { jjtThis.init( className, t.image ); } #StaticField(0)
    )
}

String classReference(): {
    String      result = "java.lang.Math";
}

{ "@" ( result=className() )? "@" { return result; }
}

String className(): {
    Token t;
    StringBuffer result;
}

t=<IDENT> { result = new StringBuffer( t.image ); } ( "." t=<IDENT> { result.append('.').append( t.image ); } )* { return new String(result); }
}

void constructorCall #Ctor : {
    String className;
    Token t;
    StringBuffer sb;
}

"new" className=className()
    ( LOOKAHEAD(2) ("(" [ assignmentExpression() ( "," assignmentExpression() )* ] ")")
void propertyName() #Property : {
    Token t;
}
{
    t=<IDENT> { jjtThis.setValue( t.image ); } #Const
}

void staticMethodCall( String className ) #StaticMethod : {
    Token t;
}
{
    t=<IDENT> "(" [ assignmentExpression() ( "," assignmentExpression() )* ] ")"
        [ jjtThis.init( className, t.image ); ]
}

void methodCall() #Method : {
    Token t;
}
{
    t=<IDENT> "(" [ assignmentExpression() ( "," assignmentExpression() )* ] ")"
        [ jjtThis.setMethodName( t.image ); ]
}

/**
 * Apply an expression to all elements of a collection, creating a new collection
* as the result.
*/
void projection() #Project : {}
{
    "{" expression() "}"
}

void selection() : {}
{
    LOOKAHEAD(2) selectAll()
    |
    LOOKAHEAD(2) selectFirst()
    |
    LOOKAHEAD(2) selectLast()
}

/**
 * Apply a boolean expression to all elements of a collection, creating a new collection
 * containing those elements for which the expression returned true.
 */
void selectAll() #Select : {}
{
    "{" "?:" expression() "}"
}

/**
 * Apply a boolean expression to all elements of a collection, creating a new collection
 * containing those elements for the first element for which the expression returned true.
 */
void selectFirst() #SelectFirst : {}
{
    "{" "^:" expression() "}"
}

/**
 * Apply a boolean expression to all elements of a collection, creating a new collection
 * containing those elements for the first element for which the expression returned true.
 */
void selectLast() #SelectLast : {}
{
    "{" "$" expression() "}"
}

void index() #Property : {}
{
    "[" expression() "]" { jjtThis.setIndexedAccess(true); }
    |<DYNAMIC_SUBSCRIPT> { jjtThis.setValue( token_source.literalValue ); } #Const
{
jjtThis.setIndexedAccess(true);
}
}
// LEXER PRODUCTIONS
TOKEN_MGR_DECLS:
{
/** Holds the last value computed by a constant token. */
Object literalValue;
/** Holds the last character escaped or in a character literal. */
private char charValue;
/** Holds char literal start token. */
private char charLiteralStartQuote;
/** Holds the last string literal parsed. */
private StringBuffer stringBuffer;
/** Converts an escape sequence into a character value. */
private char escapeChar()
{
int ofs = image.length() - 1;
switch ( image.charAt(ofs) ) {
case 'n': return '\n';
case 'r': return '\r';
case 't': return '\t';
case 'b': return '\b';
case 'f': return '\f';
case '\\': return '\\';
case '\'': return '\'';
case '\"': return '\"';
}
// Otherwise, it's an octal number. Find the backslash and convert.
while ( image.charAt(--ofs) != '\\' )
{}
int value = 0;
while ( ++ofs < image.length() )
value = (value << 3) | (image.charAt(ofs) - '0');
return (char) value;
}
private Object makeInt()
{
Object result;
String s = image.toString();
int base = 10;

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if ( s.charAt(0) == '0' )
    base = (s.length() > 1 && (s.charAt(1) == 'x' || s.charAt(1) == 'X'))? 16 : 8;
if ( base == 16 )
    s = s.substring(2); // Trim the 0x off the front
switch ( s.charAt(s.length()-1) ) {
    case 'l': case 'L':
        result = Long.valueOf( s.substring(0,s.length()-1), base );
        break;
    case 'h': case 'H':
        result = new BigInteger( s.substring(0,s.length()-1), base );
        break;
    default:
        result = Integer.valueOf( s, base );
        break;
}
return result;
}

private Object makeFloat()
{
    String s = image.toString();
    switch ( s.charAt(s.length()-1) ) {
        case 'f': case 'F':
            return Float.valueOf( s );
        case 'b': case 'B':
            return new BigDecimal( s.substring(0,s.length()-1) );
        case 'd': case 'D':
            default:
            return Double.valueOf( s );
    }
}

// Whitespace -- ignored
SKIP:
{  " " | \t | \f | \r | \n  }

// An identifier.
TOKEN:
{
  < IDENT: <LETTER> (<LETTER>|<DIGIT>)* >
  |< #LETTER: ["u0024",}
/**
 * Token for "dynamic subscripts", which are one of: [^], [], $[, and *]. The
 * appropriate constant from the DynamicSubscript class is stored in the token manager's
 * "value" field.
 */

TOKEN:
{
  < DYNAMIC_SUBSCRIPT: "\[" ["^", "|", "$", "]" ]" >

    switch (image.charAt(1)) {
      case '^': literalValue = DynamicSubscript.first; break;
      case '|': literalValue = DynamicSubscript.mid; break;
      case '$': literalValue = DynamicSubscript.last; break;
      case '*': literalValue = DynamicSubscript.all; break;
    }
}
*/

* Character and string literals, whose object value is stored in the token manager's
* "literalValue" field.
*/

MORE:
{
  """  : WithinBackCharLiteral
 |
  """  { stringBuffer = new StringBuffer(); } : WithinCharLiteral
 |
  "\"  { stringBuffer = new StringBuffer(); } : WithinStringLiteral
}

<WithinCharLiteral> MORE:
{
  < ESC: "\" ( ["n","r","t","b","f","\"","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\",","\","]
       | ("0"-."3")? ["0"-."7"] (["0"-."7"])? 
         )
   >
   { charValue = escapeChar(); stringBuffer.append(charValue); }
 |
   < (~["","]") >
   { charValue = image.charAt( image.length()-1 ); stringBuffer.append(charValue); }
}

<WithinCharLiteral> TOKEN:
{
  < CHAR_LITERAL: "")
   {
     if (stringBuffer.length() == 1) {
       literalValue = new Character( charValue );
     } else {
       literalValue = new String( stringBuffer );
     }
   }
   : DEFAULT
}

<WithinBackCharLiteral> MORE:
{
  < BACK_CHAR_ESC: <ESC> >
   { charValue = escapeChar(); }
 |
   < (~["","]") >
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Bundle-Name: istack common utility code runtime
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/FixedValue.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Converter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/MethodFilterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ClassNameReader.java
jar/net/sf/cglib/transform/TransformingClassGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/impl/AddDelegateTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Callback.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/MethodVisitorTee.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/util/StringSwitcher.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/NamingPolicy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Block.java

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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/MethodWrapper.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/RejectModifierPredicate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/MethodInfo.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/MethodInfoTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/InterfaceMaker.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ClassInfo.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/AbstractClassFilterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/MixinEverythingEmitter.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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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/ReplaceContentRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/GeneralAttackSignatureRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/AddHTTPOnlyFlagRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/PathExtensionRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/ESAPIWebApplicationFirewallFilter.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/rules/Rule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/internal/Parameter.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/internal/InterceptingPrintWriter.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/configuration/ConfigurationParser.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/rules/SimpleVirtualPatchRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/rules/DetectOutboundContentRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/actions/DefaultAction.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/actions/DoNothingAction.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/rules/AuthenticatedRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/rules/IPRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/internal/InterceptingServletOutputStream.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1
jar/org/owasp/esapi/waf/internal/InterceptingHttpServletRequest.java

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* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/DB2Codec.java
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 *
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */
/**
 * Encrypts the provided plaintext and returns a ciphertext string using the
 * master secret key and default cipher transformation.
 * @param plaintext to encrypt
 * @return the encrypted text in Base64
 */

/* Compatibility with earlier ESAPI versions: The symmetric encryption
 * in ESAPI 2.0 and later is not compatible with the encryption in ESAPI 1.4
 * or earlier. Not only are the interfaces slightly different, but they format
 * of the serialized encrypted data is incompatible. Therefore, if you have
 * encrypted data with ESAPI 1.4 or earlier, you must first encrypt it and
 * then re-encrypt it with ESAPI 2.0. Backward compatibility with ESAPI 1.4
 * was proposed to both the ESAPI Developers and ESAPI Users mailing lists
 * and voted down. More details are available in the ESAPI document
 *
 * Why this method is deprecated: Most cryptographers strongly suggest
 * that if you are creating crypto functionality for general-purpose use,
 * at a minimum you should ensure that it provides authenticity, integrity,
 * and confidentiality. This method only provides confidentiality, but not
 * authenticity or integrity. Therefore, you are encouraged to use
 * one of the other encryption methods referenced below. Because this
 * method provides neither authenticity nor integrity, it may be
 * removed in some future ESAPI Java release. Note: there are some cases
 * where authenticity / integrity are not that important. For instance, consider
 * a case where the encrypted data is never out of your application's control. For
 * example, if you receive data that your application is encrypting itself and then
* storing the encrypted data in its own database for later use (and no other
* applications can query or update that column of the database), providing
* confidentiality alone might be sufficient. However, if there are cases
* where your application will be sending or receiving already encrypted data
* over an insecure, unauthenticated channel, in such cases authenticity and
* integrity of the encrypted data likely is important and this method should
* be avoided in favor of one of the other two.
*
* @param plaintext
*      the plaintext { @code String} to encrypt. Note that if you are encrypting
*      general bytes, you should encrypt that byte array to a String using
*      "UTF-8" encoding.
*
* @return
*      the encrypted, base64-encoded String representation of 'plaintext' plus
*      the random IV used.
*
* @throws EncryptionException
*      if the specified encryption algorithm could not be found or another problem exists with
*      the encryption of 'plaintext'
*
* @see #encrypt(PlainText)
* @see #encrypt(SecretKey, PlainText)
*
* @deprecated As of 1.4.2; use { @link #encrypt(PlainText)} instead, which
* also ensures message authenticity. This method will be
* completely removed as of the next major release or point
* release (3.0 or 2.1, whichever comes first) as per OWASP
* deprecation policy.
/*/
An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by either specially logging the event, logging out the current user, or invalidating the current user's account.

Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from anywhere and will not require a lot of special exception handling.

@created 2007
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*
* @author Patrick Higgins
* @created 2010
**/

The method is ESAPI's Key Derivation Function (KDF) that computes a derived key from the { @code keyDerivationKey} for either encryption / decryption or for authentication.

<CAUTION> If this algorithm for computing derived keys from the key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being able to decrypt data previously encrypted with earlier / different versions of this method. Therefore, do not change this unless you are 100% certain that what you are doing will NOT change either of the derived keys for
* ANY "key derivation key" AT ALL!!!

* <p>

* <b>NOTE:</b> This method is generally not intended to be called separately.
* It is used by ESAPI's reference crypto implementation class [@code JavaEncryptor]
* and might be useful for someone implementing their own replacement class, but
* generally it is not something that is useful to application client code.
* 

* @param keyDerivationKey  A key used as an input to a key derivation function
* to derive other keys. This is the key that generally
* is created using some key generation mechanism such as
* {@link #generateSecretKey(String, int)}. The
* "input" key from which the other keys are derived.
* 
* The derived key will have the same algorithm type
* as this key.
* 
* @param keySize  The cipher's key size (in bits) for the [{code keyDerivationKey}].
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <p>Note:</p> The derived key will have the same size as this.
* @param purpose  The purpose for the derived key. Must be either the
* string "encryption" or "authenticity". Use "encryption" for
* creating a derived key to use for confidentiality, and "authenticity"
* for a derived key to use with a MAC to ensure message authenticity.
* @return  The derived {@code SecretKey} to be used according
* to the specified purpose. Note that this serves the same purpose
* as "label" in section 5.1 of NIST SP 800-108.
* @throws NoSuchAlgorithmException  The {code keyDerivationKey} has an unsupported
* encryption algorithm or no current JCE provider supports
* "HmacSHA1".
* @throws EncryptionException  If "UTF-8" is not supported as an encoding, then
* this is thrown with the original [{code UnsupportedEncodingException}]
* as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
* be a common encoding supported by all Java implementations. Support
* for it is usually in rt.jar.)
* @throws InvalidKeyException  Likely indicates a coding error. Should not happen.
* @throws EncryptionException  Throw for some precondition violations.
* @deprecated Use [{code KeyDerivationFunction}] instead. This method will be removed as of
* ESAPI release 2.1 so if you are using this, please change your code.
* */

/**
* Return true if specified cipher mode is one of those specified in the
* [@code ESAPI.properties] file that supports both confidentiality
* and authenticity (i.e., a "combined cipher mode" as NIST refers
* to it).
* @param cipherMode The specified cipher mode to be used for the encryption
* or decryption operation.
* @return true if the specified cipher mode is in the comma-separated list
* of cipher modes supporting both confidentiality and authenticity;
* otherwise false.
* @see org.owasp.esapi.SecurityConfiguration#getAllCipherModes()
Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/crypto/CryptoHelper.java
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 * @created 2007
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/tags/BaseEncodeTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/tags/EncodeForVBScriptTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/tags/EncodeForHTMLTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/tags/EncodeForHTMLAttributeTag.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/CSSCodec.java
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* @created 2007
*/

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/ValidationAvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/HTMLValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationHostException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/PercentCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/MySQLCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/WindowsCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/DefaultRandomizer.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/AvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/PushbackString.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/HTMLValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/IntegerValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/Randomizer.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/StringUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/Encoder.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/AvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/BaseValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/OptionalValidationRule.java
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  jar/org/owasp/esapi/codecs/XMLEntityCodec.java
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 *
 * @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
 */

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

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

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/reference/DefaultValidator.java
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/.../esapi-2.0-1-sources-1-jar/org/owasp/esapi/LogFactory.java

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/**
 * Encodes and decodes to and from Base64 notation.
 *
 * Homepage: http://iharder.net/base64
 *
 * The options parameter, which appears in a few places, is used to pass several pieces of information to the encoder. In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate such things as first gzipping the bytes before encoding them, not inserting linefeeds (though that breaks strict Base64 compatibility), and encoding using the URL-safe and Ordered dialects.
 *
 * The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:
 *
 * String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );
 *
 *
 * to compress the data before encoding it and then making the output have no newline characters.
 *
 *
 * Change Log:
 * </p>
 *
 * v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the Base64.InputStream class to encode and decode on the fly which uses less memory than encoding/decoding an entire file into memory before writing.
 *
 * v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~< 40 bytes).
 *
 * v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
 *
 * The default is RFC3548 format.
 *
 * Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in Section 4 of RFC3548.
 *
 * http://www.faqs.org/rfcs/rfc3548.html
 */
<ul><li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves lexical ordering as described in http://www.faqs.org/qa/rfcc-1940.html</li></ul>

Special thanks to Jim Kellerman at http://www.powerset.com for contributing the new Base64 dialects.

<ul><li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.</li></ul>

<ul><li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).</li></ul>

<ul><li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li></ul>

<ul><li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format (int s that you "OR" together).</li></ul>

<ul><li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode( String s, boolean gzipCompressed ). Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).</li></ul>

<ul><li>v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li></ul>

<ul><li>v1.4 - Added helper methods to read/write files.</li></ul>

<ul><li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li></ul>

<ul><li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.</li></ul>

<ul><li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li></ul>

<ul><li>v1.3.3 - Fixed I/O streams which were totally messed up.</li></ul>

<p>I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or warranties but with plenty of well-wishing instead!</p>

Please visit http://iharder.net/base64 periodically to check for updates or to contribute improvements.

@version 2.2.2
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*<a href="http://www.aspectsecurity.com">Aspect Security</a>*

*created 2007*

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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author kevin.w.wall@gmail.com
* @created 2007
*
// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

Found in path(s):
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/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a
 * derived key from the { code keyDerivationKey } for either
 * encryption / decryption or for authentication.
 * <p>
 * CAUTION:</p> If this algorithm for computing derived keys from the
 * key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
 * able to decrypt data previously encrypted with earlier / different versions
 * of this method. Therefore, do not change this unless you are 100% certain that
 * what you are doing will NOT change either of the derived keys for
 * ANY "key derivation key" AT ALL!!!
 * <p>
 * NOTE:</b> This method is generally not intended to be called separately.
 * It is used by ESAPI's reference crypto implementation class { code JavaEncryptor }
 * and might be useful for someone implementing their own replacement class, but
 * generally it is not something that is useful to application client code.
 * 
 * @param keyDerivationKey A key used as an input to a key derivation function
 * to derive other keys. This is the key that generally
 * is created using some key generation mechanism such as
 * { link generateSecretKey(String, int) }. The
 * "input" key from which the other keys are derived.
 * The derived key will have the same algorithm type
 * as this key. This KDK cannot be null.
@param keySize The cipher's key size (in bits) for the [@code keyDerivationKey].
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <b>Note:</b> The derived key will have the same size as this.

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

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

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

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

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

* @throws EncryptionException Throw for some precondition violations.
*/

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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
 * [ @inheritDoc ]
* The reference implementation sets the work directory, escapes the parameters as per the Codec in use, and then executes the command without using concatenation. The exact, absolute, canonical path of each executable must be listed as an approved executable in the ESAPI properties. The executable must also exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if you are going to invoke this interface with confidential information.

*/

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultExecutor.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/AbstractAccessReferenceMap.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/Log4JLogger.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codescs/OracleCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/crypto/ReferenceEncryptedProperties.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/crypto/ReferenceEncryptedProperties.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultSecurityConfiguration.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/HTTPUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Validator.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
jar/org/owasp/esapi/reference/Log4JLoggerFactory.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/FileBasedAuthenticator.java
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 * 
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 * @created 2007
 */
/**
 * Executes a system command after checking that the executable exists and
 * escaping all the parameters to ensure that injection is impossible.
 * Implementations must change to the specified working
 * directory before invoking the command.
 * 
 * @param executable
 * the command to execute
 * @param params
 * the parameters of the command being executed
 * @param workdir
 * the working directory
 * @param codec
 * the codec to use to encode for the particular OS in use
 * @param logParams
 * use false if any parameters contains sensitive or confidential information
 * 
 * @return the output of the command being run
 * 
 * @throws ExecutorException
 * the service exception
 */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Executor.java
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/ValidationErrorList.java
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/filters/SecurityWrapperRequest.java
* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/filters/SecurityWrapperResponse.java
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/**
* This methods adds a provider to the [code SecurityManager]
* either by some generic name or by the class name.
* </p>
* The following generic JCE provider names are built-in:
* <ul>
* <li>SunJCE</li>
* <li>IBMJCE [for WebSphere]</li>
* <li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
* <li>BC [i.e., Bouncy Castle]</li>
* <li>IAIK</li>
* <li>CryptixCrypto (or Cryptix)</li>
* <li>ABA</li>

* Note that neither Cryptix or ABA are actively maintained so
* it is recommended that you do not start using them for ESAPI
* unless your application already has a dependency on them. Furthermore,
* the Cryptix JCE jars likely will not work as the Cryptix code signing
* certificate has expired as of August 28, 2009. (This likely is true
* for ABA, but I can't even find a copy to download!). Lastly, the IAIK
* provider is no longer offered as free, open source. It is not a
* commercial product. See [@link http://jce.iaik.tugraz.at/] for
* details. While some older versions were offered free, it is not clear
* whether the accompanying license still allows you to use it, and if
* it does, whether or not the code signing certificate used to sign
* their JCE jar(s) has expired are not. Therefore, if you are looking
* for a FOSS alternative to SunJCE, Bouncy Castle
* ([@link http://www.bouncycastle.org/] is probably your best bet. The
* BC provider does support many of the "combined cipher modes" that provide
* both confidentiality and authenticity. (See the [@code ESAPI.properties]
* property [@code Encryptor.cipher_modes.combined_modes] for details.)

* For those working in the U.S. federal government, it should be noted
* that &lt;none&gt; of the providers listed here are considered validated
* by NIST's Cryptographic Module Validation Program and are therefore
* not considered FIPS 140-2 compliant. There are a few approved
* JCE compatible Java libraries that are on NIST's CMVP list, but this
* list changes constantly so they are not listed here. For further details
* on NIST's CMVP, see
* [@link http://csrc.nist.gov/groups/STM/cmvp/index.html].

* Finally, if you wish to use some other JCE provider not recognized above,
* you must specify the provider's fully-qualified class name (which in
* turn must have a public, no argument constructor).

* The application must be given the [@code SecurityPermission] with a
* value of [@code insertProvider.&lt;provider_name&gt;] (where
* &lt;provider_name&gt; is the name of the algorithm provider if
* a security manager is installed.

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

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
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 * @author Jeff Williams &lt;a href="http://www.aspectsecurity.com">Aspect Security&lt;/a&gt;
 * @created 2007
 */
/**
 * Return a { @code List} of strings of combined cipher modes that support
 * &lt;b&gt;both&lt;/b&gt; confidentiality and authenticity. These would be preferred
 * cipher modes to use if your JCE provider supports them. If such a
 * cipher mode is used, no explicit &lt;i&gt;separate&lt;/i&gt; MAC is calculated as part of
 * the { @code CipherText} object upon encryption nor is any attempt made
 * to verify the same on decryption.
 * 
 * The list is taken from the comma-separated list of cipher modes specified
 * by the ESAPI property
 * { @code Encryptor.cipher_modes.combined_modes}.
 * 
 * @return The parsed list of comma-separated cipher modes if the property
 * was specified in { @code ESAPI.properties}; otherwise the empty list is
 * returned.
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*/

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

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

1.408 libgcrypt 1.6.2

1.408.1 Available under license :

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1.411 forgerock-audit-core 21.0.0-alpha-23

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 'freedreno_layout',
 [ #
   'fd5_layout.c',
   'fd6_layout.c',
   'freedreno_layout.c',
 ],
 include_directories : [inc_freereno, inc_include, inc_src, inc_mapi, inc_mesa, inc_gallium, inc_gallium_aux],
 c_args : [no_override_init_args],
 gnu_symbol_visibility : 'hidden',
 dependencies : idep_nir_headers,
 build_by_default : false,
)

foreach major : ['5', '6']
 test( #
   'fd' + major + '.layout',
   executable( #
     'fd' + major + '.layout',
     [ #
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1.417 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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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
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

Create 2st primary partition
1bebf87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8dffe51a88a045db233418dd73f6e 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

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

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

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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

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

BSD disklabel command (m for help):
1.418 zlib 1.2.8

1.418.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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*/

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* /opt/cola/permits/1177945123_1654022942.3547654/0/jstl-1-2-sources-1-jar/javax/servlet/jsp/jstl/core/LoopTagSupport.java
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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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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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```
src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp
```

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

```
src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
```
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-------------

- The -mdoc macro set, using the BSD license.
  
  tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

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

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

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

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

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1.450 sqlite 3.7.17-8.el7.1

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    # 2010 July 16
    #
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    # 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 tests to verify that the "testable statements" in
    # the lang_select.html document are correct.
    #

    set testdir [file dirname $argv0]
    source $testdir/tester.tcl

    ifcapable !compound {
finish_test
return
}

do_execsql_test e_select-1.0 {
    CREATE TABLE t1(a, b);
    INSERT INTO t1 VALUES('a', 'one');
    INSERT INTO t1 VALUES('b', 'two');
    INSERT INTO t1 VALUES('c', 'three');

    CREATE TABLE t2(a, b);
    INSERT INTO t2 VALUES('a', 'I');
    INSERT INTO t2 VALUES('b', 'II');
    INSERT INTO t2 VALUES('c', 'III');

    CREATE TABLE t3(a, c);
    INSERT INTO t3 VALUES('a', 1);
    INSERT INTO t3 VALUES('b', 2);

    CREATE TABLE t4(a, c);
    INSERT INTO t4 VALUES('a', NULL);
    INSERT INTO t4 VALUES('b', 2);

    set t1_cross_t2 [list    
        a one   a I      a one   b II     
        a one   c III    b two   a I      
        b two   b II     b two   c III    
        c three a I    c three b II    
        c three c III                     
    ]
    set t1_cross_t1 [list     
        a one   a one   a one   b two    
        a one   c three   b two   a one    
        b two   b two    b two   c three   
        c three a one   c three b two    
        c three c three                     
    ]

    # This proc is a specialized version of [do_execsql_test].
    #
    # The second argument to this proc must be a SELECT statement that
    # features a cross join of some time. Instead of the usual ",", 
    # "CROSS JOIN" or "INNER JOIN" join-op, the string %JOIN% must be
    # substituted.
    #
    # This test runs the SELECT three times - once with:
    #
# and checks that each time the results of the SELECT are $res.
#
proc do_join_test {tn select res} {
  foreach {tn2 joinop} [list 1 2 "CROSS JOIN" 3 "INNER JOIN"] {
    set S [string map [list %JOIN% $joinop] $select]
    uplevel do_execsql_test $tn.$tn2 [list $S] [list $res]
  }
}

# EVIDENCE-OF: R-11353-33501 -- syntax diagram join-constraint
#
#   0: SELECT ...
#   1: SELECT DISTINCT ...
#   2: SELECT ALL ...
#
#   0: No FROM clause
#   1: Has FROM clause
#
#   0: No WHERE clause
#   1: Has WHERE clause
#

Open Source Used In Cisco Unified Communication Manager 14SU2 4470
# 0: No GROUP BY clause
# 1: Has GROUP BY clause
# 2: Has GROUP BY and HAVING clauses
#
do_select_tests e_select-0.2 {
  0000.1 "SELECT 1, 2, 3 " {1 2 3}
  1000.1 "SELECT DISTINCT 1, 2, 3 " {1 2 3}
  2000.1 "SELECT ALL 1, 2, 3 " {1 2 3}

  0100.1 "SELECT a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }
  1100.1 "SELECT DISTINCT a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }
  1200.1 "SELECT ALL a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }

  0010.1 "SELECT 1, 2, 3 WHERE 1 " {1 2 3}
  0010.2 "SELECT 1, 2, 3 WHERE 0 " {}
  0010.3 "SELECT 1, 2, 3 WHERE NULL " {}

  1010.1 "SELECT DISTINCT 1, 2, 3 WHERE 1 " {1 2 3}
  2010.1 "SELECT ALL 1, 2, 3 WHERE 1 " {1 2 3}

  0110.1 "SELECT a, b, a||b FROM t1 WHERE a!='x' " {
    a one aone b two btwo c three cthree
  }
  0110.2 "SELECT a, b, a||b FROM t1 WHERE a=='x' " {}

  1110.1 "SELECT DISTINCT a, b, a||b FROM t1 WHERE a!='x' " {
    a one aone b two btwo c three cthree
  }
  2110.0 "SELECT ALL a, b, a||b FROM t1 WHERE a=='x' " {}

  0001.1 "SELECT 1, 2, 3 GROUP BY 2" {1 2 3}
  0002.1 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)=1" {1 2 3}
  0002.2 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {}

  1001.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2" {1 2 3}
  1002.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)=1" {1 2 3}
  1002.2 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {}

  2001.1 "SELECT ALL 1, 2, 3 GROUP BY 2" {1 2 3}
  2002.1 "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)=1" {1 2 3}
2002.2 "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {} 
0101.1 "SELECT count(*), max(a) FROM t1 GROUP BY b" {1 a 1 c 1 b} 
0102.1 "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {1 a 1 c 1 b} 
0102.2 "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {} 
1101.1 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b" {1 a 1 c 1 b} 
1102.1 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {1 a 1 c 1 b} 
1102.2 "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {} 
2101.1 "SELECT ALL count(*), max(a) FROM t1 GROUP BY b" {1 a 1 c 1 b} 
2102.1 "SELECT ALL count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {1 a 1 c 1 b} 
2102.2 "SELECT ALL count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {} 
0011.1 "SELECT 1, 2, 3 WHERE 1 GROUP BY 2" {1 2 3} 
0012.1 "SELECT 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)=1" {} 
0012.2 "SELECT 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)>1" {} 
1011.1 "SELECT DISTINCT 1, 2, 3 WHERE 0 GROUP BY 2" {} 
1012.1 "SELECT DISTINCT 1, 2, 3 WHERE 1 GROUP BY 2 HAVING count(*)=1" {1 2 3} 
1012.2 "SELECT DISTINCT 1, 2, 3 WHERE NULL GROUP BY 2 HAVING count(*)>1" {} 
2011.1 "SELECT ALL 1, 2, 3 WHERE 1 GROUP BY 2" {1 2 3} 
2012.1 "SELECT ALL 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)=1" {} 
2012.2 "SELECT ALL 1, 2, 3 WHERE 'abc' GROUP BY 2 HAVING count(*)>1" {} 
0111.1 "SELECT count(*), max(a) FROM t1 WHERE a='a' GROUP BY b" {1 a} 
0112.1 "SELECT count(*), max(a) FROM t1 WHERE a='c' GROUP BY b HAVING count(*)=1" {1 c} 
0112.2 "SELECT count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" {} 
1111.1 "SELECT DISTINCT count(*), max(a) FROM t1 WHERE a<'c' GROUP BY b" {1 a 1 b} 
1112.1 "SELECT DISTINCT count(*), max(a) FROM t1 WHERE a>'a' GROUP BY b HAVING count(*)=1" {}
"SELECT DISTINCT count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" {
  1 c 1 b
}

"SELECT ALL count(*), max(a) FROM t1 WHERE b>'one' GROUP BY b"
  1 a 1 c

"SELECT ALL count(*), max(a) FROM t1 WHERE a!='b' GROUP BY b HAVING count(*)=1" {
  1 a 1 c
}

"SELECT ALL count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" {
  1 c 1 b
}

# EVIDENCE-OF: R-41378-26734 -- syntax diagram result-column
#
do_select_tests e_select-0.3 {
  1 "SELECT * FROM t1" {a one b two c three}
  2 "SELECT t1.* FROM t1" {a one b two c three}
  3 "SELECT 'x'||a||'x' FROM t1" {xax xbx xcx}
  4 "SELECT 'x'||a||'x' alias FROM t1" {xax xbx xcx}
  5 "SELECT 'x'||a||'x' AS alias FROM t1" {xax xbx xcx}
}

# EVIDENCE-OF: R-43129-35648 -- syntax diagram join-source
#
# EVIDENCE-OF: R-36683-37460 -- syntax diagram join-op
#
do_select_tests e_select-0.4 {
  1 "SELECT t1.rowid FROM t1" {1 2 3}
  2 "SELECT t1.rowid FROM t1,t2" {1 1 1 2 2 2 3 3 3}
  3 "SELECT t1.rowid FROM t1,t2,t3" {1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3}
  4 "SELECT t1.rowid FROM t1" {1 2 3}
  5 "SELECT t1.rowid FROM t1 JOIN t2" {1 1 1 2 2 2 3 3 3}
  6 "SELECT t1.rowid FROM t1 JOIN t2 JOIN t3"
  {1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3}
  7 "SELECT t1.rowid FROM t1 NATURAL JOIN t3" {1 2}
  8 "SELECT t1.rowid FROM t1 NATURAL LEFT OUTER JOIN t3" {1 2 3}
  9 "SELECT t1.rowid FROM t1 NATURAL LEFT JOIN t3" {1 2 3}
 10 "SELECT t1.rowid FROM t1 NATURAL INNER JOIN t3" {1 2}
 11 "SELECT t1.rowid FROM t1 NATURAL CROSS JOIN t3" {1 2}
 12 "SELECT t1.rowid FROM t1 JOIN t3" {1 1 2 2 3 3}
13 "SELECT t1.rowid FROM t1 LEFT OUTER JOIN t3" \{1 1 2 2 3 3\}
14 "SELECT t1.rowid FROM t1 LEFT JOIN t3" \{1 1 2 2 3 3\}
15 "SELECT t1.rowid FROM t1 INNER JOIN t3" \{1 1 2 2 3 3\}
16 "SELECT t1.rowid FROM t1 CROSS JOIN t3" \{1 1 2 2 3 3\}
}

# EVIDENCE-OF: R-28308-37813 -- syntax diagram compound-operator
#
do_select_tests e_select-0.5 {
  1  "SELECT rowid FROM t1 UNION ALL SELECT rowid+2 FROM t4" \{1 2 3 3 4\}
  2  "SELECT rowid FROM t1 UNION    SELECT rowid+2 FROM t4" \{1 2 3 4\}
  3  "SELECT rowid FROM t1 INTERSECT SELECT rowid+2 FROM t4" \{3\}
  4  "SELECT rowid FROM t1 EXCEPT    SELECT rowid+2 FROM t4" \{1 2\}
}

# EVIDENCE-OF: R-06480-34950 -- syntax diagram ordering-term
#
do_select_tests e_select-0.6 {
  1  "SELECT b||a FROM t1 ORDER BY b||a"                  \{onea threec twob\}
  2  "SELECT b||a FROM t1 ORDER BY (b||a) COLLATE nocase" \{onea threec twob\}
  3  "SELECT b||a FROM t1 ORDER BY (b||a) ASC"           \{onea threec twob\}
  4  "SELECT b||a FROM t1 ORDER BY (b||a) DESC"           \{twob threec onea\}
}

# EVIDENCE-OF: R-23926-36668 -- syntax diagram select-stmt
#
do_select_tests e_select-0.7 {
  1  "SELECT * FROM t1" \{a one b two c three\}
  2  "SELECT * FROM t1 ORDER BY b" \{a one c three b two\}
  3  "SELECT * FROM t1 ORDER BY b, a" \{a one c three b two\}

  4  "SELECT * FROM t1 LIMIT 10" \{a one b two c three\}
  5  "SELECT * FROM t1 LIMIT 10 OFFSET 5" \{}
  6  "SELECT * FROM t1 LIMIT 10, 5" \{}

  7  "SELECT * FROM t1 ORDER BY a LIMIT 10" \{a one b two c three\}
  8  "SELECT * FROM t1 ORDER BY b LIMIT 10 OFFSET 5" \{}
  9  "SELECT * FROM t1 ORDER BY a,b LIMIT 10, 5" \{}

 10  "SELECT * FROM t1 UNION SELECT b, a FROM t1"
      \{a one b two c three one a three c two b\}
 11  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b"
      \{one a two b three c a one c three b two\}
 12  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b, a"
      \{one a two b three c a one c three b two\}
 13  "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10"
      \{a one b two c three one a three c two b\}
 14  "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10 OFFSET 5"
{two b}
15  "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10, 5"
   {}
16  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a LIMIT 10"
   {a one b two c three one a three c two b}
17  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b LIMIT 10 OFFSET 5"
   {b two}
18  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a,b LIMIT 10, 5"
   {}
"SELECT count(*), count(x), count(y) FROM xx" {3 2 3}
"SELECT sum(x), sum(y) FROM xx" {-17.89 -16.87}

# EVIDENCE-OF: R-23593-12456 If there is more than one table specified
# as part of the join-source following the FROM keyword, then the
# contents of each named table are joined into a single dataset for the
# simple SELECT statement to operate on.
#
# There are more detailed tests for subsequent requirements that add
# more detail to this idea. We just add a single test that shows that
# data is coming from each of the three tables following the FROM clause
# here to show that the statement, vague as it is, is not incorrect.
#
do_select_tests e_select-1.3 {
  "SELECT * FROM t1, t2, t3" {
    a one a I a 1 a one a I a 1 b 2 a one b II a 1 a one b II a 2 a one c III a 1 a one c III b 2
    b two a I a 1 b two a I b 2 b two b II a 1 a one c III a 1 b two c III b 2
    b two b II b 2 b two c III a 1 b two c III b 2
    c three a I a 1 c three a I b 2 c three b II a 1 c three b II b 2 c three c III a 1 c three c III b 2
  }
}

# The following block of tests - e_select-1.4.* - test that the description
# of cartesian joins in the SELECT documentation is consistent with SQLite.
# In doing so, we test the following three requirements as a side-effect:
#
# EVIDENCE-OF: R-46122-14930 If the join-op is "CROSS JOIN", "INNER
# JOIN", "JOIN" or a comma (",") and there is no ON or USING clause,
# then the result of the join is simply the cartesian product of the
# left and right-hand datasets.
#
# The tests are built on this assertion. Really, they test that the output
# of a CROSS JOIN, JOIN, INNER JOIN or ",," join matches the expected result
# of calculating the cartesian product of the left and right-hand datasets.
#
# EVIDENCE-OF: R-46256-57243 There is no difference between the "INNER
# JOIN", "JOIN" and ",," join operators.
#
# EVIDENCE-OF: R-07544-24155 The "CROSS JOIN" join operator produces the
# same data as the "INNER JOIN", "JOIN" and ",," operators
#
# All tests are run 4 times, with the only difference in each run being
# which of the 4 equivalent cartesian product join operators are used.
# Since the output data is the same in all cases, we consider that this
## Open Source Used in Cisco Unified Communication Manager 14SU2

The following SQL queries and table definitions are used to test various aspects of SQL JOIN operations:

```sql
# qualifies as testing the two statements above.
#
# do_execsql_test e_select-1.4.0 {
  CREATE TABLE x1(a, b);
  CREATE TABLE x2(c, d, e);
  CREATE TABLE x3(f, g, h, i);

  -- x1: 3 rows, 2 columns
  INSERT INTO x1 VALUES(24, 'converging');
  INSERT INTO x1 VALUES(NULL, X'CB71');
  INSERT INTO x1 VALUES('blonds', 'proprietary');

  -- x2: 2 rows, 3 columns
  INSERT INTO x2 VALUES(-60.06, NULL, NULL);
  INSERT INTO x2 VALUES(-58, NULL, 1.21);

  -- x3: 5 rows, 4 columns
  INSERT INTO x3 VALUES(-39.24, NULL, 'encompass', -1);
  INSERT INTO x3 VALUES('presenting', 51, 'reformation', 'dignified');
  INSERT INTO x3 VALUES('conducting', -87.24, 37.56, NULL);
  INSERT INTO x3 VALUES('coldest', -96, 'dramatists', 82.3);
  INSERT INTO x3 VALUES('alerting', NULL, -93.79, NULL);
} {}

# EVIDENCE-OF: R-59089-25828 The columns of the cartesian product dataset are, in order, all the columns of the left-hand dataset followed by all the columns of the right-hand dataset.

# do_join_test e_select-1.4.1.1 {
  SELECT * FROM x1 %JOIN% x2 LIMIT 1
  } [concat {24 converging} {-60.06} {} {}]

# do_join_test e_select-1.4.1.2 {
  SELECT * FROM x2 %JOIN% x1 LIMIT 1
  } [concat {-60.06} {} {}] [24 converging]

# do_join_test e_select-1.4.1.3 {
  SELECT * FROM x3 %JOIN% x2 LIMIT 1
  } [concat {-39.24} {} encompass -1] [-60.06 {} {}]

# do_join_test e_select-1.4.1.4 {
  SELECT * FROM x2 %JOIN% x3 LIMIT 1
  } [concat {-60.06} {} {}] [-39.24 {} encompass -1]

# EVIDENCE-OF: R-44414-54710 There is a row in the cartesian product dataset formed by combining each unique combination of a row from the left-hand and right-hand datasets.

#
do_join_test e_select-1.4.2.1 {
SELECT * FROM x2 %JOIN% x3
} [list -60.06 {} {} -39.24 {} encompass -1 \ -60.06 {} {} presenting 51 reformation dignified \ -60.06 {} {} conducting -87.24 37.56 {} \ -60.06 {} {} coldest -96 dramatists 82.3 \ -60.06 {} {} alerting {} -93.79 {} \ -58 {} 1.21 -39.24 {} encompass -1 \ -58 {} 1.21 presenting 51 reformation dignified \ -58 {} 1.21 conducting -87.24 37.56 {} \ -58 {} 1.21 coldest -96 dramatists 82.3 \ -58 {} 1.21 alerting {} -93.79 {} \}
# TODO: Come back and add a few more like the above.

# EVIDENCE-OF: R-20659-43267 In other words, if the left-hand dataset # consists of Nlhs rows of Mlhs columns, and the right-hand dataset of # Nrhs rows of Mrhs columns, then the cartesian product is a dataset of # Nlhs*Nrhs rows, each containing Mlhs+Mrhs columns.
#
# x1, x2 (Nlhs=3, Nrhs=2) (Mlhs=2, Mrhs=3)
do_join_test e_select-1.4.3.1 {
SELECT count(*) FROM x1 %JOIN% x2
} [expr 3*2]
do_test e_select-1.4.3.2 {
expr {llength [execsql {SELECT * FROM x1, x2}] / 6}
} [expr 2+3]

# x2, x3 (Nlhs=2, Nrhs=5) (Mlhs=3, Mrhs=4)
do_join_test e_select-1.4.3.3 {
SELECT count(*) FROM x2 %JOIN% x3
} [expr 2*5]
do_test e_select-1.4.3.4 {
expr {llength [execsql {SELECT * FROM x2 JOIN x3}] / 10}
} [expr 3+4]

# x3, x1 (Nlhs=5, Nrhs=3) (Mlhs=4, Mrhs=2)
do_join_test e_select-1.4.3.5 {
SELECT count(*) FROM x3 %JOIN% x1
} [expr 5*3]
do_test e_select-1.4.3.6 {
expr {llength [execsql {SELECT * FROM x3 CROSS JOIN x1}] / 15}
} [expr 4+2]

# x3, x3 (Nlhs=5, Nrhs=5) (Mlhs=4, Mrhs=4)
do_join_test e_select-1.4.3.7 {
SELECT count(*) FROM x3 %JOIN% x3
} [expr 5*5]
do_test e_select-1.4.3.8 {
  expr {([llength [execsql {SELECT * FROM x3 INNER JOIN x3 AS x4}]]) / 25}
} [expr 4+4]

# Some extra cartesian product tests using tables t1 and t2.
#
do_execsql_test e_select-1.4.4.1 { SELECT * FROM t1, t2 } $t1_cross_t2
do_execsql_test e_select-1.4.4.2 { SELECT * FROM t1 AS x, t1 AS y} $t1_cross_t1

do_select_tests e_select-1.4.5 [list
  1 { SELECT * FROM t1 CROSS JOIN t2 } $t1_cross_t2
  2 { SELECT * FROM t1 AS y CROSS JOIN t1 AS x } $t1_cross_t1
  3 { SELECT * FROM t1 INNER JOIN t2 } $t1_cross_t2
  4 { SELECT * FROM t1 AS y INNER JOIN t1 AS x } $t1_cross_t1
]

# EVIDENCE-OF: R-22775-56496 If there is an ON clause specified, then
# the ON expression is evaluated for each row of the cartesian product
# as a boolean expression. All rows for which the expression evaluates
# to false are excluded from the dataset.
#
foreach {tn select res} [list
  1 { SELECT * FROM t1 %JOIN% t2 ON (1) } $t1_cross_t2
  2 { SELECT * FROM t1 %JOIN% t2 ON (0) } [list]
  3 { SELECT * FROM t1 %JOIN% t2 ON (NULL) } [list]
  4 { SELECT * FROM t1 %JOIN% t2 ON ('abc') } [list]
  5 { SELECT * FROM t1 %JOIN% t2 ON ('1ab') } $t1_cross_t2
  6 { SELECT * FROM t1 %JOIN% t2 ON (0.9) } $t1_cross_t2
  7 { SELECT * FROM t1 %JOIN% t2 ON ('0.9') } $t1_cross_t2
  8 { SELECT * FROM t1 %JOIN% t2 ON (0.0) } [list]
  9 { SELECT t1.b, t2.b FROM t1 %JOIN% t2 ON (t1.a = t2.a) } [one I two II three III]
 10 { SELECT t1.b, t2.b FROM t1 %JOIN% t2 ON (t1.a = 'a') } [one I one II one III]
 11 { SELECT t1.b, t2.b
      FROM t1 %JOIN% t2 ON (CASE WHEN t1.a = 'a' THEN NULL ELSE 1 END) }
      [two I two II two III three I three II three III]
] {
do_join_test e_select-1.3.$tn $select $res
}

# EVIDENCE-OF: R-63358-54862 If there is a USING clause specified as
# part of the join-constraint, then each of the column names specified
# must exist in the datasets to both the left and right of the join-op.
#
do_select_tests e_select-1.4 -error {
cannot join using column %s - column not present in both tables
} }
1 { SELECT * FROM t1, t3 USING (b) } "b"
2 { SELECT * FROM t3, t1 USING (c) } "c"
3 { SELECT * FROM t3, (SELECT a AS b, b AS c FROM t1) USING (a) } "a"

# EVIDENCE-OF: R-55987-04584 For each pair of namesake columns, the
# expression "lhs.X = rhs.X" is evaluated for each row of the cartesian
# product as a boolean expression. All rows for which one or more of the
# expressions evaluates to false are excluded from the result set.
#
do_select_tests e_select-1.5 {
1 { SELECT * FROM t1, t3 USING (a) } {a one b two}
2 { SELECT * FROM t3, t4 USING (a,c) } {b 2}
}

# EVIDENCE-OF: R-54046-48600 When comparing values as a result of a
# USING clause, the normal rules for handling affinities, collation
# sequences and NULL values in comparisons apply.
#
# EVIDENCE-OF: R-35466-18578 The column from the dataset on the
# left-hand side of the join operator is considered to be on the
# left-hand side of the comparison operator (=) for the purposes of
# collation sequence and affinity precedence.
#
do_execsql_test e_select-1.6.0 {
CREATE TABLE t5(a COLLATE nocase, b COLLATE binary);
INSERT INTO t5 VALUES('AA', 'cc');
INSERT INTO t5 VALUES('BB', 'dd');
INSERT INTO t5 VALUES(NULL, NULL);
CREATE TABLE t6(a COLLATE binary, b COLLATE nocase);
INSERT INTO t6 VALUES('aa', 'cc');
INSERT INTO t6 VALUES('bb', 'DD');
INSERT INTO t6 VALUES(NULL, NULL);
} {}
foreach {tn select res} {
1 { SELECT * FROM t5 %JOIN% t6 USING (a) } {AA cc cc BB dd DD}
2 { SELECT * FROM t6 %JOIN% t5 USING (a) } {}
3 { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) %JOIN% t5 USING (a) }
{aa cc cc bb DD dd}
4 { SELECT * FROM t5 %JOIN% t6 USING (a,b) } {AA cc}
5 { SELECT * FROM t6 %JOIN% t5 USING (a,b) } {}
} {
do_join_test e_select-1.6.$tn $select $res
}

# EVIDENCE-OF: R-57047-10461 For each pair of columns identified by a
# USING clause, the column from the right-hand dataset is omitted from
# the joined dataset.
#
# EVIDENCE-OF: R-56132-15700 This is the only difference between a USING
# clause and its equivalent ON constraint.
#
foreach {tn select res} {
1a { SELECT * FROM t1 %JOIN% t2 USING (a) }
   {a one I b two II c three III}
1b { SELECT * FROM t1 %JOIN% t2 ON (t1.a=t2.a) }
   {a one a I b two b II c three c III}

2a { SELECT * FROM t3 %JOIN% t4 USING (a) }
   {a 1 {} b 2 2}
2b { SELECT * FROM t3 %JOIN% t4 ON (t3.a=t4.a) }
   {a 1 a {} b 2 b 2}

3a { SELECT * FROM t3 %JOIN% t4 USING (a,c) }
   {b 2}
3b { SELECT * FROM t3 %JOIN% t4 ON (t3.a=t4.a AND t3.c=t4.c) }
   {b 2 b 2}

4a { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) AS x%
   %JOIN% t5 USING (a) }
   {aa cc cc bb DD dd}
4b { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) AS x%
   %JOIN% t5 ON (x.a=t5.a) }
   {aa cc AA cc bb DD BB dd}
} {
   do_join_test e_select-1.7.$tn $select $res
}

# EVIDENCE-OF: R-41434-12448 If the join-op is a "LEFT JOIN" or "LEFT
# OUTER JOIN", then after the ON or USING filtering clauses have been
# applied, an extra row is added to the output for each row in the
# original left-hand input dataset that corresponds to no rows at all in
# the composite dataset (if any).
#
do_execsql_test e_select-1.8.0 {
   CREATE TABLE t7(a, b, c);
   CREATE TABLE t8(a, d, e);

   INSERT INTO t7 VALUES('x', 'ex', 24);
   INSERT INTO t7 VALUES('y', 'why', 25);

   INSERT INTO t8 VALUES('x', 'abc', 24);
   INSERT INTO t8 VALUES('z', 'ghi', 26);
} {}

do_select_tests e_select-1.8 {
1a "SELECT count(*) FROM t7 JOIN t8 ON (t7.a=t8.a)"  
1b "SELECT count(*) FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)"  
2a "SELECT count(*) FROM t7 JOIN t8 USING (a)"  
2b "SELECT count(*) FROM t7 LEFT JOIN t8 USING (a)"

# EVIDENCE-OF: R-15607-52988 The added rows contain NULL values in the 
# columns that would normally contain values copied from the right-hand 
# input dataset.

# do_select_tests e_select-1.9 {
  1a "SELECT * FROM t7 JOIN t8 ON (t7.a=t8.a)"  
  1b "SELECT * FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)"  
      {x ex 24 x abc 24 y why 25 {} {} {}} 
  2a "SELECT * FROM t7 JOIN t8 USING (a)"  
  2b "SELECT * FROM t7 LEFT JOIN t8 USING (a)"  
      {x ex 24 abc 24 y why 25 {} {}}
}

# EVIDENCE-OF: R-01809-52134 If the NATURAL keyword is added to any of 
# the join-ops, then an implicit USING clause is added to the 
# join-constraints. The implicit USING clause contains each of the 
# column names that appear in both the left and right-hand input 
# datasets.

# do_select_tests e_select-1-10 {
  1a "SELECT * FROM t7 JOIN t8 USING (a)"  
  1b "SELECT * FROM t7 NATURAL JOIN t8"  
      {x ex 24 abc 24} 
  2a "SELECT * FROM t8 JOIN t7 USING (a)"  
  2b "SELECT * FROM t8 NATURAL JOIN t7"  
      {x abc 24 ex 24} 
  3a "SELECT * FROM t7 LEFT JOIN t8 USING (a,c)"  
  3b "SELECT * FROM t7 NATURAL LEFT JOIN t8"  
      {x abc 24 ex 24 y why 25 {} {} {}} 
  4a "SELECT * FROM t8 LEFT JOIN t7 USING (a,c)"  
  4b "SELECT * FROM t8 NATURAL LEFT JOIN t7"  
      {x abc 24 ex 24 z ghi 26 {} {} {}} 
  5a "SELECT * FROM t3 JOIN t4 USING (a,c)"  
  5b "SELECT * FROM t3 NATURAL JOIN t4"  
      {b 2} 
  6a "SELECT * FROM t3 LEFT JOIN t4 USING (a,c)"  
  6b "SELECT * FROM t3 NATURAL LEFT JOIN t4"  
      {a 1 b 2}
}

# EVIDENCE-OF: R-49566-01570 If the left and right-hand input datasets 
# feature no common column names, then the NATURAL keyword has no effect 
# on the results of the join.
do_execsql_test e_select-1.11.0 {
  CREATE TABLE t10(x, y);
  INSERT INTO t10 VALUES(1, 'true');
  INSERT INTO t10 VALUES(0, 'false');
  
  do_select_tests e_select-1-11 {
  1a "SELECT a, x FROM t1 CROSS JOIN t10" {a 1 a 0 b 1 b 0 c 1 c 0}
  1b "SELECT a, x FROM t1 NATURAL CROSS JOIN t10" {a 1 a 0 b 1 b 0 c 1 c 0}
  }

  # EVIDENCE-OF: R-39625-59133 A USING or ON clause may not be added to a
  # join that specifies the NATURAL keyword.

  #
  # foreach {tn sql} {
  1 {SELECT * FROM t1 NATURAL LEFT JOIN t2 USING (a)}
  2 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (t1.a=t2.a)}
  3 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (45)}
  } {
  do_catchsql_test e_select-1.12.$tn "
  $sql
  " {1 {a NATURAL join may not have an ON or USING clause}}
  }
  
  #----------------------------------------------------------------------
  # The next block of tests - e_select-3.* - concentrate on verifying
  # statements made regarding WHERE clause processing.
  #
  drop_all_tables
  do_execsql_test e_select-3.0 {
  CREATE TABLE x1(k, x, y, z);
  INSERT INTO x1 VALUES(1, 'relinquished', 'aphasia', 78.43);
  INSERT INTO x1 VALUES(2, X'A8E8D66F', X'07CF', -81);
  INSERT INTO x1 VALUES(3, -22, -27.57, NULL);
  INSERT INTO x1 VALUES(4, NULL, 'bygone', 'picky');
  INSERT INTO x1 VALUES(5, NULL, 96.28, NULL);
  INSERT INTO x1 VALUES(6, 0, 1, 2);

  CREATE TABLE x2(k, x, y2);
  INSERT INTO x2 VALUES(1, 50, X'B82838');
  INSERT INTO x2 VALUES(5, 84.79, 65.88);
  INSERT INTO x2 VALUES(3, -22, X'0E1BE452A393');
  INSERT INTO x2 VALUES(7, 'mistrusted', 'standardized');
  } }

  # EVIDENCE-OF: R-06999-14330 If a WHERE clause is specified, the WHERE
  # expression is evaluated for each row in the input data as a boolean
  # expression. All rows for which the WHERE clause expression evaluates
# to false are excluded from the dataset before continuing.
#

do_execsql_test e_select-3.1.1 { SELECT k FROM x1 WHERE x } {3}
do_execsql_test e_select-3.1.2 { SELECT k FROM x1 WHERE y } {3 5 6}
do_execsql_test e_select-3.1.3 { SELECT k FROM x1 WHERE z } {1 2 6}
do_execsql_test e_select-3.1.4 { SELECT k FROM x1 WHERE '1'||z } {1 2 4 6}
do_execsql_test e_select-3.1.5 { SELECT k FROM x1 WHERE x IS NULL } {4 5}
do_execsql_test e_select-3.1.6 { SELECT k FROM x1 WHERE z - 78.43 } {2 4 6}

do_execsql_test e_select-3.2.1a {
    SELECT k FROM x1 LEFT JOIN x2 USING(k)
} {1 2 3 4 5 6}
do_execsql_test e_select-3.2.1b {
    SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k
} {1 3 5}
do_execsql_test e_select-3.2.2 {
    SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k IS NULL
} {2 4 6}
do_execsql_test e_select-3.2.3 {
    SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k
} {3}
do_execsql_test e_select-3.2.4 {
    SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k-3
} {}

# Tests below this point are focused on verifying the testable statements
# related to calculating the result rows of a simple SELECT statement.
#

drop_all_tables
do_execsql_test e_select-4.0 {
    CREATE TABLE z1(a, b, c);
    CREATE TABLE z2(d, e);
    CREATE TABLE z3(a, b);

    INSERT INTO z1 VALUES(51.65, -59.58, 'belfries');
    INSERT INTO z1 VALUES(-5, NULL, 75);
    INSERT INTO z1 VALUES(-2.2, -23.18, 'suiters');
    INSERT INTO z1 VALUES(NULL, 67, 'quartets');
    INSERT INTO z1 VALUES(-1.04, -32.3, 'aspen');
    INSERT INTO z1 VALUES(63, 'born', -26);

    INSERT INTO z2 VALUES(NULL, 21);
    INSERT INTO z2 VALUES(36, 6);

    INSERT INTO z3 VALUES('subsistence', 'gauze');
# EVIDENCE-OF: R-36327-17224 If a result expression is the special
# expression "*" then all columns in the input data are substituted for
# that one expression.
#
# EVIDENCE-OF: R-43693-30522 If the expression is the alias of a table
# or subquery in the FROM clause followed by ",." then all columns from
# the named table or subquery are substituted for the single expression.
#
do_select_tests e_select-4.1 {
1  "SELECT * FROM z1 LIMIT 1"             {51.65 -59.58 belfries}
2  "SELECT * FROM z1,z2 LIMIT 1"          {51.65 -59.58 belfries {} 21}
3  "SELECT z1.* FROM z1,z2 LIMIT 1"       {51.65 -59.58 belfries}
4  "SELECT z2.*, z1.* FROM z1,z2 LIMIT 1" {{} 21} 51.65 -59.58 belfries}
5  "SELECT count(*), * FROM z1"           {6 63 born -26}
6  "SELECT max(a), * FROM z1"             {63 63 born -26}
7  "SELECT *, min(a) FROM z1"             {-5 {} 75 -5}
8  "SELECT *,* FROM z1,z2 LIMIT 1" {51.65 -59.58 belfries {} 21 51.65 -59.58 belfries}
9  "SELECT *,* FROM z1,z2 LIMIT 1" {51.65 -59.58 belfries {} 21 51.65 -59.58 belfries {} 21} 51.65 -59.58 belfries
10 "SELECT z1.*,z1.* FROM z2,z1 LIMIT 1" {51.65 -59.58 belfries 51.65 -59.58 belfries}
}

# EVIDENCE-OF: R-61869-22578 It is an error to use a "*" or "alias.*"
# expression in any context other than than a result expression list.
#
# EVIDENCE-OF: R-44324-41166 It is also an error to use a "*" or
# "alias.*" expression in a simple SELECT query that does not have a
# FROM clause.
#
foreach {tn select err} {
1.1 "SELECT a, b, c FROM z1 WHERE *"   [near ": syntax error]
1.2 "SELECT a, b, c FROM z1 GROUP BY *" [near ": syntax error]
1.3 "SELECT 1 + * FROM z1"             [near ": syntax error]
1.4 "SELECT * + 1 FROM z1"             [near ": syntax error]
2.1 "SELECT *" {no tables specified}
2.2 "SELECT * WHERE 1" {no tables specified}
2.3 "SELECT * WHERE 0" {no tables specified}
2.4 "SELECT count(*), *" {no tables specified}
}
do_catchsql_test e_select-4.2.$tn $select [list 1 $err]
}

# EVIDENCE-OF: R-08669-22397 The number of columns in the rows returned
# by a simple SELECT statement is equal to the number of expressions in
# the result expression list after substitution of * and alias.*
# expressions.
#
foreach {tn select nCol} {
1  "SELECT * FROM z1"   3
2  "SELECT * FROM z1 NATURAL JOIN z3"            3
3  "SELECT z1.* FROM z1 NATURAL JOIN z3"         3
4  "SELECT z3.* FROM z1 NATURAL JOIN z3"         2
5  "SELECT z1.*, z3.* FROM z1 NATURAL JOIN z3"   5
6  "SELECT 1, 2, z1.* FROM z1"                   5
7  "SELECT a, *, b, c FROM z1"                   6
}
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
do_test e_select-4.3.$tn { sqlite3_column_count $::stmt } $nCol
sqlite3_finalize $::stmt
}

# In lang_select.html, a non-aggregate query is defined as any simple SELECT
# that has no GROUP BY clause and no aggregate expressions in the result
# expression list. Other queries are aggregate queries. Test cases
# e_select-4.4.* through e_select-4.12.*, inclusive, which test the part of
# simple SELECT that is different for aggregate and non-aggregate queries
# verify (in a way) that these definitions are consistent:
#
# EVIDENCE-OF: R-20637-43463 A simple SELECT statement is an aggregate
# query if it contains either a GROUP BY clause or one or more aggregate
# functions in the result-set.
#
# EVIDENCE-OF: R-23155-55597 Otherwise, if a simple SELECT contains no
# aggregate functions or a GROUP BY clause, it is a non-aggregate query.
#
# EVIDENCE-OF: R-44050-47362 If the SELECT statement is a non-aggregate
# query, then each expression in the result expression list is evaluated
# for each row in the dataset filtered by the WHERE clause.
#
do_select_tests e_select-4.4 {
1  "SELECT a, b FROM z1"
   {51.65 -59.58 -5 {} -2.2 -23.18 {} 67 -1.04 -32.3 63 born}
2  "SELECT a IS NULL, b+1, * FROM z1"
# Test cases e_select-4.5.* and e_select-4.6.* together show that:
#
# EVIDENCE-OF: R-51988-01124 The single row of result-set data created
# by evaluating the aggregate and non-aggregate expressions in the
# result-set forms the result of an aggregate query without a GROUP BY
# clause.
#
# EVIDENCE-OF: R-57629-25253 If the SELECT statement is an aggregate
# query without a GROUP BY clause, then each aggregate expression in the
# result-set is evaluated once across the entire dataset.
#
do_select_tests e_select-4.5 {
  1 "SELECT count(a), max(a), count(b), max(b) FROM z1"      {5 63 5 born}
  2 "SELECT count(*), max(1)"                                {1 1}
  3 "SELECT sum(b+1) FROM z1 NATURAL LEFT JOIN z3"           {-43.06}
  4 "SELECT sum(b+2) FROM z1 NATURAL LEFT JOIN z3"           {-38.06}
  5 "SELECT sum(b IS NOT NULL) FROM z1 NATURAL LEFT JOIN z3" {5} 
}

# EVIDENCE-OF: R-26684-40576 Each non-aggregate expression in the
# result-set is evaluated once for an arbitrarily selected row of the
# dataset.
#
# EVIDENCE-OF: R-27994-60376 The same arbitrarily selected row is used
# for each non-aggregate expression.
#
# Note: The results of many of the queries in this block of tests are
# technically undefined, as the documentation does not specify which row
# SQLite will arbitrarily select to use for the evaluation of the
# non-aggregate expressions.
#
drop_all_tables
do_execsql_test e_select-4.6.0 {
  CREATE TABLE a1(one PRIMARY KEY, two);
INSERT INTO a1 VALUES(1, 1);
INSERT INTO a1 VALUES(2, 3);
INSERT INTO a1 VALUES(3, 6);
INSERT INTO a1 VALUES(4, 10);

CREATE TABLE a2(one PRIMARY KEY, three);
INSERT INTO a2 VALUES(1, 1);
INSERT INTO a2 VALUES(3, 2);
INSERT INTO a2 VALUES(6, 3);
INSERT INTO a2 VALUES(10, 4);
}

do_select_tests e_select-4.6 {
1  "SELECT one, two, count(*) FROM a1"                        {4 10 4}
2  "SELECT one, two, count(*) FROM a1 WHERE one<3"            {2 3 2}
3  "SELECT one, two, count(*) FROM a1 WHERE one>3"            {4 10 1}
4  "SELECT *, count(*) FROM a1 JOIN a2"                       {4 10 10 4 16}
5  "SELECT *, sum(three) FROM a1 NATURAL JOIN a2"             {3 6 2 3}
6  "SELECT *, sum(three) FROM a1 NATURAL JOIN a2"             {3 6 2 3}
7  "SELECT group_concat(three, ","), a1.* FROM a1 NATURAL JOIN a2" {12 3 6}
}

# EVIDENCE-OF: R-04486-07266 Or, if the dataset contains zero rows, then
# each non-aggregate expression is evaluated against a row consisting
# entirely of NULL values.
#

do_select_tests e_select-4.7 {
1  "SELECT one, two, count(*) FROM a1 WHERE 0"           {{} {} 0}
2  "SELECT sum(two), * FROM a1, a2 WHERE three>5"        {{} {} {} {} {}}
3  "SELECT max(one) IS NULL, one IS NULL, two IS NULL FROM a1 WHERE two=7" {1 1 1}
}

# EVIDENCE-OF: R-64138-28774 An aggregate query without a GROUP BY
# clause always returns exactly one row of data, even if there are zero
# rows of input data.
#
foreach [tn select] {
8.1  "SELECT count(*) FROM a1"
8.2  "SELECT count(*) FROM a1 WHERE 0"
8.3  "SELECT count(*) FROM a1 WHERE 1"
8.4  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 1"
8.5  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 0"
}

# Set $nRow to the number of rows returned by $select:
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
set nRow 0
while {"SQLITE_ROW" == [sqlite3_step ::stmt]} { incr nRow }
set rc [sqlite3_finalize $::stmt]

# Test that $nRow==1 and that statement execution was successful
# (rc==SQLITE_OK).
do_test e_select-4.Stn [list list $rc $nRow] {SQLITE_OK 1}
}
drop_all_tables
do_execsql_test e_select-4.9.0 {
    CREATE TABLE b1(one PRIMARY KEY, two);
    INSERT INTO b1 VALUES(1, 'o');
    INSERT INTO b1 VALUES(4, 't');
    INSERT INTO b1 VALUES(3, 't');
    INSERT INTO b1 VALUES(2, 't');
    INSERT INTO b1 VALUES(5, 'f');
    INSERT INTO b1 VALUES(7, 's');
    INSERT INTO b1 VALUES(6, 's');
    CREATE TABLE b2(x, y);
    INSERT INTO b2 VALUES(NULL, 0);
    INSERT INTO b2 VALUES(NULL, 1);
    INSERT INTO b2 VALUES('xyz', 2);
    INSERT INTO b2 VALUES('abc', 3);
    INSERT INTO b2 VALUES('xyz', 4);
    CREATE TABLE b3(a COLLATE nocase, b COLLATE binary);
    INSERT INTO b3 VALUES('abc', 'abc');
    INSERT INTO b3 VALUES('aBC', 'aBC');
    INSERT INTO b3 VALUES('Def', 'Def');
    INSERT INTO b3 VALUES('dEF', 'dEF');
}

# EVIDENCE-OF: R-57754-57109 If the SELECT statement is an aggregate
# query with a GROUP BY clause, then each of the expressions specified
# as part of the GROUP BY clause is evaluated for each row of the
# dataset. Each row is then assigned to a "group" based on the results;
# rows for which the results of evaluating the GROUP BY expressions are
# the same are assigned to the same group.
#
# These tests also show that the following is not untrue:
#
# EVIDENCE-OF: R-25883-55063 The expressions in the GROUP BY clause do
# not have to be expressions that appear in the result.
#
do_select_tests e_select-4.9 {
    1 "SELECT group_concat(one), two FROM b1 GROUP BY two" {
        /#,## f 1 o #,## s #,## t/
    }
}
2  "SELECT group_concat(one), sum(one) FROM b1 GROUP BY (one>4)" { 
   1,2,3,4 10  5,6,7 18 
} 
3  "SELECT group_concat(one) FROM b1 GROUP BY (two>'o'), one%2" { 
   4 1,5  2,6  3,7 
} 
4  "SELECT group_concat(one) FROM b1 GROUP BY (one==2 OR two=='o')" { 
   4,3,5,7,6  1,2 
} 
} 

# EVIDENCE-OF: R-14926-50129 For the purposes of grouping rows, NULL 
# values are considered equal.
#
do_select_tests e_select-4.10 { 
1  "SELECT group_concat(y) FROM b2 GROUP BY x" {/#,#   3   #,#/} 
2  "SELECT count(*) FROM b2 GROUP BY CASE WHEN y<4 THEN NULL ELSE 0 END" {4 1} 
} 

# EVIDENCE-OF: R-10470-30318 The usual rules for selecting a collation 
# sequence with which to compare text values apply when evaluating 
# expressions in a GROUP BY clause.
#
do_select_tests e_select-4.11 { 
1  "SELECT count(*) FROM b3 GROUP BY b"      {1 1 1 1} 
2  "SELECT count(*) FROM b3 GROUP BY a"      {2 2} 
3  "SELECT count(*) FROM b3 GROUP BY +b"     {1 1 1 1} 
4  "SELECT count(*) FROM b3 GROUP BY +a"     {2 2} 
5  "SELECT count(*) FROM b3 GROUP BY b||"    {1 1 1 1} 
6  "SELECT count(*) FROM b3 GROUP BY a||"    {1 1 1 1} 
} 

# EVIDENCE-OF: R-63573-50730 The expressions in a GROUP BY clause may 
# not be aggregate expressions.
#
foreach {tn select} { 
12.1  "SELECT * FROM b3 GROUP BY count(*)" 
12.2  "SELECT max(a) FROM b3 GROUP BY max(b)" 
12.3  "SELECT group_concat(a) FROM b3 GROUP BY a, max(b)" 
} { 
   set res {1 {aggregate functions are not allowed in the GROUP BY clause}} 
   do_catchsql_test e_select-4.$tn $select $res 
} 

# EVIDENCE-OF: R-31537-00101 If a HAVING clause is specified, it is 
# evaluated once for each group of rows as a boolean expression. If the 
# result of evaluating the HAVING clause is false, the group is 
# discarded.
# This requirement is tested by all e_select-4.13.* tests.

# EVIDENCE-OF: R-04132-09474 If the HAVING clause is an aggregate
# expression, it is evaluated across all rows in the group.

# Tested by e_select-4.13.1.*

# EVIDENCE-OF: R-28262-47447 If a HAVING clause is a non-aggregate
# expression, it is evaluated with respect to an arbitrarily selected
# row from the group.

# Tested by e_select-4.13.2.*

# Tests in this block also show that this is not untrue:

# EVIDENCE-OF: R-55403-13450 The HAVING expression may refer to values,
# even aggregate functions, that are not in the result.

do_execsql_test e_select-4.13.0 { 
CREATE TABLE c1(up, down);
INSERT INTO c1 VALUES('x', 1);
INSERT INTO c1 VALUES('x', 2);
INSERT INTO c1 VALUES('x', 4);
INSERT INTO c1 VALUES('x', 8);
INSERT INTO c1 VALUES('y', 16);
INSERT INTO c1 VALUES('y', 32);

CREATE TABLE c2(i, j);
INSERT INTO c2 VALUES(1, 0);
INSERT INTO c2 VALUES(2, 1);
INSERT INTO c2 VALUES(3, 3);
INSERT INTO c2 VALUES(4, 6);
INSERT INTO c2 VALUES(5, 10);
INSERT INTO c2 VALUES(6, 15);
INSERT INTO c2 VALUES(7, 21);
INSERT INTO c2 VALUES(8, 28);
INSERT INTO c2 VALUES(9, 36);

CREATE TABLE c3(i PRIMARY KEY, k TEXT);
INSERT INTO c3 VALUES(1, 'hydrogen');
INSERT INTO c3 VALUES(2, 'helium');
INSERT INTO c3 VALUES(3, 'lithium');
INSERT INTO c3 VALUES(4, 'beryllium');
INSERT INTO c3 VALUES(5, 'boron');
INSERT INTO c3 VALUES(94, 'plutonium');
} {}
do_select_tests e_select-4.13 {  
  1.1  "SELECT up FROM c1 GROUP BY up HAVING count(*)>3"  \{x\}  
  1.2  "SELECT up FROM c1 GROUP BY up HAVING sum(down)>16"  \{y\}  
  1.3  "SELECT up FROM c1 GROUP BY up HAVING sum(down)<16"  \{x\}  
  1.4  "SELECT up||down FROM c1 GROUP BY (down<5) HAVING max(down)<10"  \{x4\}  

  2.1  "SELECT up FROM c1 GROUP BY up HAVING down>10"  \{y\}  
  2.2  "SELECT up FROM c1 GROUP BY up HAVING up='y'"  \{y\}  

  2.3  "SELECT i, j FROM c2 GROUP BY i>4 HAVING i>6"  \{9 36\}  
}  

# EVIDENCE-OF: R-23927-54081 Each expression in the result-set is then  
# evaluated once for each group of rows.  
#  
# EVIDENCE-OF: R-53735-47017 If the expression is an aggregate  
# expression, it is evaluated across all rows in the group.  
#  
do_select_tests e_select-4.15 {  
  1  "SELECT sum(down) FROM c1 GROUP BY up"  \{15 48\}  
  2  "SELECT sum(j), max(j) FROM c2 GROUP BY (i%3)"  \{54 36 27 21 39 28\}  
  3  "SELECT sum(j), max(j) FROM c2 GROUP BY (j%2)"  \{80 36 40 21\}  
  4  "SELECT i+sum(j), max(j)+1 FROM c2 GROUP BY (j%2)"  \{81 37 41 22\}  
  5  "SELECT count(*), round(avg(i),2) FROM c1, c2 ON (i=down) GROUP BY j%2"  
    \{3 4.33 1 2.0\}  
}  

# EVIDENCE-OF: R-62913-19830 Otherwise, it is evaluated against a single  
# arbitrarily chosen row from within the group.  
#  
# EVIDENCE-OF: R-53924-08809 If there is more than one non-aggregate  
# expression in the result-set, then all such expressions are evaluated  
# for the same row.  
#  
do_select_tests e_select-4.15 {  
  1  "SELECT i, j FROM c2 GROUP BY i%2"  \{8 28 9 36\}  
  2  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j<30"  \{8 28\}  
  3  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j<30"  \{9 36\}  
  4  "SELECT i, j FROM c2 GROUP BY i%2 HAVING j>30"  \{9 36\}  
  5  "SELECT count(*), i, k FROM c2 NATURAL JOIN c3 GROUP BY substr(k, 1, 1)"  
    \{2 5 boron 2 2 helium 1 3 lithium\}  
}  

# EVIDENCE-OF: R-19334-12811 Each group of input dataset rows  
# contributes a single row to the set of result rows.  
#  
# EVIDENCE-OF: R-02223-49279 Subject to filtering associated with the  
# DISTINCT keyword, the number of rows returned by an aggregate query
# with a GROUP BY clause is the same as the number of groups of rows
# produced by applying the GROUP BY and HAVING clauses to the filtered
# input dataset.
#
do_select_tests e_select.4.16 -count {
  1  "SELECT i, j FROM c2 GROUP BY i%2"      2
  2  "SELECT i, j FROM c2 GROUP BY i"            9
  3  "SELECT i, j FROM c2 GROUP BY i HAVING i<5"  4
}

# The following tests attempt to verify statements made regarding the ALL
# and DISTINCT keywords.
#
drop_all_tables
do_execsql_test e_select-5.1.0 {
  CREATE TABLE h1(a, b);
  INSERT INTO h1 VALUES(1, 'one');
  INSERT INTO h1 VALUES(1, 'I');
  INSERT INTO h1 VALUES(1, 'i');
  INSERT INTO h1 VALUES(4, 'four');
  INSERT INTO h1 VALUES(4, 'IV');
  INSERT INTO h1 VALUES(4, 'iv');

  CREATE TABLE h2(x COLLATE nocase);
  INSERT INTO h2 VALUES('One');
  INSERT INTO h2 VALUES('Two');
  INSERT INTO h2 VALUES('Three');
  INSERT INTO h2 VALUES('Four');
  INSERT INTO h2 VALUES('one');
  INSERT INTO h2 VALUES('two');
  INSERT INTO h2 VALUES('three');
  INSERT INTO h2 VALUES('four');

  CREATE TABLE h3(c, d);
  INSERT INTO h3 VALUES(1, NULL);
  INSERT INTO h3 VALUES(2, NULL);
  INSERT INTO h3 VALUES(3, NULL);
  INSERT INTO h3 VALUES(4, '2');
  INSERT INTO h3 VALUES(5, NULL);
  INSERT INTO h3 VALUES(6, '2,3');
  INSERT INTO h3 VALUES(7, NULL);
  INSERT INTO h3 VALUES(8, '2,4');
  INSERT INTO h3 VALUES(9, '3');
} {}

# EVIDENCE-OF: R-60770-10612 One of the ALL or DISTINCT keywords may
# follow the SELECT keyword in a simple SELECT statement.
do_select_tests e_select-5.1 {
  1  "SELECT ALL a FROM h1"   {1 1 1 4 4 4}
  2  "SELECT DISTINCT a FROM h1" {1 4}
}

# EVIDENCE-OF: R-08861-34280 If the simple SELECT is a SELECT ALL, then the entire set of result rows are returned by the SELECT.
#
# EVIDENCE-OF: R-47911-02086 If neither ALL or DISTINCT are present, then the behavior is as if ALL were specified.
#
# EVIDENCE-OF: R-14442-41305 If the simple SELECT is a SELECT DISTINCT, then duplicate rows are removed from the set of result rows before it is returned.
#
# The three testable statements above are tested by e_select-5.2.*, 5.3.* and 5.4.* respectively.
#
do_select_tests e_select-5 {
  3.1  "SELECT ALL x FROM h2" {One Two Three Four one two three four}
  3.2  "SELECT ALL x FROM h1, h2 ON (x=b)" {One one Four four}

  3.1  "SELECT x FROM h2" {One Two Three Four one two three four}
  3.2  "SELECT x FROM h1, h2 ON (x=b)" {One one Four four}

  4.1  "SELECT DISTINCT x FROM h2" {One Two Three Four}
  4.2  "SELECT DISTINCT x FROM h1, h2 ON (x=b)" {One Four}
}

# EVIDENCE-OF: R-02054-15343 For the purposes of detecting duplicate rows, two NULL values are considered to be equal.
#
do_select_tests e_select-5.5 {
  1  "SELECT DISTINCT d FROM h3" {{} 2 2,3 2,4 3}
}

# EVIDENCE-OF: R-58359-52112 The normal rules for selecting a collation sequence to compare text values with apply.
#
do_select_tests e_select-5.6 {
  1  "SELECT DISTINCT b FROM h1"   {one I i four IV iv}
  2  "SELECT DISTINCT b COLLATE nocase FROM h1" {one I i four IV}
  3  "SELECT DISTINCT x FROM h2"                  {One Two Three Four}
  4  "SELECT DISTINCT x COLLATE binary FROM h2"   {
             One Two Three Four one two three four
      }
}
# The following tests - e_select-7.* - test that statements made to do
# with compound SELECT statements are correct.
#

# EVIDENCE-OF: R-39368-64333 In a compound SELECT, all the constituent
# SELECTs must return the same number of result columns.
#
# All the other tests in this section use compound SELECTs created
# using component SELECTs that do return the same number of columns.
# So the tests here just show that it is an error to attempt otherwise.
#
drop_all_tables
do_execsql_test e_select-7.1.0 {
  CREATE TABLE j1(a, b, c);
  CREATE TABLE j2(e, f);
  CREATE TABLE j3(g);
} {}
do_select_tests e_select-7.1 -error {
  SELECTs to the left and right of %s do not have the same number of result columns
} {
  1   "SELECT a, b FROM j1  UNION ALL SELECT g FROM j3"  {{UNION ALL}}
  2   "SELECT *  FROM j1  UNION ALL SELECT * FROM j3"  {{UNION ALL}}
  3   "SELECT a, b FROM j1  UNION ALL SELECT g FROM j3"  {{UNION ALL}}
  4   "SELECT a, b FROM j1  UNION ALL SELECT * FROM j3,j2" {{UNION ALL}}
  5   "SELECT *  FROM j3,j2 UNION ALL SELECT a, b FROM j1" {{UNION ALL}}
  6   "SELECT a, b FROM j1  UNION SELECT g FROM j3"        {UNION}
  7   "SELECT *  FROM j1  UNION SELECT * FROM j3"        {UNION}
  8   "SELECT a, b FROM j1  UNION SELECT g FROM j3"        {UNION}
  9   "SELECT a, b FROM j1  UNION SELECT * FROM j3,j2"     {UNION}
 10  "SELECT *  FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 11  "SELECT a, b FROM j1  INTERSECT SELECT g FROM j3"    {INTERSECT}
 12  "SELECT *  FROM j1  INTERSECT SELECT * FROM j3"    {INTERSECT}
 13  "SELECT a, b FROM j1  INTERSECT SELECT g FROM j3"    {INTERSECT}
 14  "SELECT a, b FROM j1  INTERSECT SELECT * FROM j3,j2" {INTERSECT}
 15  "SELECT *  FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 16  "SELECT a, b FROM j1  EXCEPT SELECT g FROM j3"       {EXCEPT}
 17  "SELECT *  FROM j1  EXCEPT SELECT * FROM j3"       {EXCEPT}
 18  "SELECT a, b FROM j1  EXCEPT SELECT g FROM j3"       {EXCEPT}
 19  "SELECT a, b FROM j1  EXCEPT SELECT * FROM j3,j2"    {EXCEPT}
 20  "SELECT *  FROM j3,j2 EXCEPT SELECT a, b FROM j1"    {EXCEPT}
}
# be simple SELECT statements, they may not contain ORDER BY or LIMIT
# clauses.
#

foreach {tn select op1 op2} {
  1   "SELECT * FROM j1 ORDER BY a UNION ALL SELECT * FROM j2,j3"
      {ORDER BY} {UNION ALL}
  2   "SELECT count(*) FROM j1 ORDER BY 1 UNION ALL SELECT max(e) FROM j2"
      {ORDER BY} {UNION ALL}
  3   "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION ALL SELECT *,* FROM j2"
      {ORDER BY} {UNION ALL}
  4   "SELECT * FROM j1 LIMIT 10 UNION ALL SELECT * FROM j2,j3"
      LIMIT {UNION ALL}
  5   "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION ALL SELECT * FROM j2,j3"
      LIMIT {UNION ALL}
  6   "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION ALL SELECT g FROM j2,j3"
      LIMIT {UNION ALL}
  7   "SELECT * FROM j1 ORDER BY a UNION SELECT * FROM j2,j3"
      {ORDER BY} {UNION}
  8   "SELECT count(*) FROM j1 ORDER BY 1 UNION SELECT max(e) FROM j2"
      {ORDER BY} {UNION}
  9   "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION SELECT *,* FROM j2"
      {ORDER BY} {UNION}
 10  "SELECT * FROM j1 LIMIT 10 UNION SELECT * FROM j2,j3"
      LIMIT {UNION}
 11  "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION SELECT * FROM j2,j3"
      LIMIT {UNION}
 12  "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION SELECT g FROM j2,j3"
      LIMIT {UNION}
 13  "SELECT * FROM j1 ORDER BY a EXCEPT SELECT * FROM j2,j3"
      {ORDER BY} {EXCEPT}
 14  "SELECT count(*) FROM j1 ORDER BY 1 EXCEPT SELECT max(e) FROM j2"
      {ORDER BY} {EXCEPT}
 15  "SELECT count(*), * FROM j1 ORDER BY 1,2,3 EXCEPT SELECT *,* FROM j2"
      {ORDER BY} {EXCEPT}
 16  "SELECT * FROM j1 LIMIT 10 EXCEPT SELECT * FROM j2,j3"
      LIMIT {EXCEPT}
 17  "SELECT * FROM j1 LIMIT 10 OFFSET 5 EXCEPT SELECT * FROM j2,j3"
      LIMIT {EXCEPT}
 18  "SELECT a FROM j1 LIMIT (SELECT e FROM j2) EXCEPT SELECT g FROM j2,j3"
      LIMIT {EXCEPT}
 19  "SELECT * FROM j1 ORDER BY a INTERSECT SELECT * FROM j2,j3"
      {ORDER BY} {INTERSECT}
 20  "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
      {ORDER BY} {INTERSECT}
 21  "SELECT count(*), * FROM j1 ORDER BY 1,2,3 INTERSECT SELECT *,* FROM j2"
```sql
ORDER BY {INTERSECT
22  "SELECT * FROM j1 LIMIT 10 INTERSECT SELECT * FROM j2,j3" LIMIT {INTERSECT
23  "SELECT * FROM j1 LIMIT 10 OFFSET 5 INTERSECT SELECT * FROM j2,j3" LIMIT {INTERSECT
24  "SELECT a FROM j1 LIMIT (SELECT e FROM j2) INTERSECT SELECT g FROM j2,j3" LIMIT {INTERSECT
}
}
set err "$op1 clause should come after $op2 not before"
do_catchsql_test e_select-7.2.$tn $select [list 1 $err]
}

# EVIDENCE-OF: R-22874-32655 ORDER BY and LIMIT clauses may only occur
# at the end of the entire compound SELECT.
#
foreach {tn select} {
1   "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 ORDER BY a"
2   "SELECT count(*) FROM j1 UNION ALL SELECT max(e) FROM j2 ORDER BY 1"
3   "SELECT count(*), * FROM j1 UNION ALL SELECT *,* FROM j2 ORDER BY 1,2,3"
4   "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10"
5   "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
6   "SELECT a FROM j1 UNION ALL SELECT g FROM j2,j3 LIMIT (SELECT 10)"
7   "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 ORDER BY a"
8   "SELECT count(*) FROM j1 EXCEPT SELECT max(e) FROM j2 ORDER BY 1"
9   "SELECT count(*), * FROM j1 EXCEPT SELECT *,* FROM j2 ORDER BY 1,2,3"
10  "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 LIMIT 10"
11  "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
12  "SELECT a FROM j1 EXCEPT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
13  "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 ORDER BY a"
14  "SELECT count(*) FROM j1 INTERSECT SELECT max(e) FROM j2 ORDER BY 1"
15  "SELECT count(*), * FROM j1 INTERSECT SELECT *,* FROM j2 ORDER BY 1,2,3"
16  "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10"
17  "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
18  "SELECT a FROM j1 INTERSECT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
19  "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 ORDER BY a"
20  "SELECT count(*) FROM j1 EXCEPT SELECT max(e) FROM j2 ORDER BY 1"
21  "SELECT count(*), * FROM j1 EXCEPT SELECT *,* FROM j2 ORDER BY 1,2,3"
22  "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10"
23  "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
24  "SELECT a FROM j1 INTERSECT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
}
do_test e_select-7.3.$tn [ catch {execsql $select} msg ] 0
}

# EVIDENCE-OF: R-08531-36543 A compound SELECT created using UNION ALL

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# operator returns all the rows from the SELECT to the left of the UNION
# ALL operator, and all the rows from the SELECT to the right of it.

drop_all_tables
do_execsql_test e_select-7.4.0 {
    CREATE TABLE q1(a TEXT, b INTEGER, c);
    CREATE TABLE q2(d NUMBER, e BLOB);
    CREATE TABLE q3(f REAL, g);

    INSERT INTO q1 VALUES(16, -87.66, NULL);
    INSERT INTO q1 VALUES('legible', 94, -42.47);
    INSERT INTO q1 VALUES('beauty', 36, NULL);

    INSERT INTO q2 VALUES('legible', 1);
    INSERT INTO q2 VALUES('beauty', 2);
    INSERT INTO q2 VALUES(-65.91, 4);
    INSERT INTO q2 VALUES('emanating', -16.56);

    INSERT INTO q3 VALUES('beauty', 2);
    INSERT INTO q3 VALUES('beauty', 2);
} {}
do_select_tests e_select-7.4 {
    1 {SELECT a FROM q1 UNION ALL SELECT d FROM q2}
        {16 legible beauty legible beauty -65.91 emanating}

    2 {SELECT * FROM q1 WHERE a=16 UNION ALL SELECT 'x', * FROM q2 WHERE oid=1}
        {16 -87.66 {} x legible 1}

    3 {SELECT count(*) FROM q1 UNION ALL SELECT min(e) FROM q2}
        {3 -16.56}

    4 {SELECT * FROM q2 UNION ALL SELECT * FROM q3}
        {legible 1 beauty 2 -65.91 4 emanating -16.56 beauty 2 beauty 2}
} {}

de_select_tests e_select-7.5 {
    1 {SELECT a FROM q1 UNION SELECT d FROM q2}
        {-65.91 16 beauty emanating legible}

    2 {SELECT * FROM q1 WHERE a=16 UNION SELECT 'x', * FROM q2 WHERE oid=1}
        {16 -87.66 {} x legible 1}

    3 {SELECT count(*) FROM q1 UNION SELECT min(e) FROM q2}
        {-16.56 3}
}
# EVIDENCE-OF: R-45764-31737 The INTERSECT operator returns the intersection of the results of the left and right SELECTs.

do_select_tests e_select-7.6 {
  1  {SELECT a FROM q1 INTERSECT SELECT d FROM q2} \{beauty legible\}
  2  {SELECT * FROM q2 INTERSECT SELECT * FROM q3} \{beauty 2\}
}

# EVIDENCE-OF: R-25787-28949 The EXCEPT operator returns the subset of rows returned by the left SELECT that are not also returned by the right-hand SELECT.

# do_select_tests e_select-7.7 {
  1  {SELECT a FROM q1 EXCEPT SELECT d FROM q2} \{16\}

  2  {SELECT * FROM q2 EXCEPT SELECT * FROM q3}
      \{-65.91 4 emanating -16.56 legible 1\}
}

# EVIDENCE-OF: R-40729-56447 Duplicate rows are removed from the results of INTERSECT and EXCEPT operators before the result set is returned.

# do_select_tests e_select-7.8 {
  0  {SELECT * FROM q3} \{beauty 2 beauty 2\}

  1  {SELECT * FROM q3 INTERSECT SELECT * FROM q3} \{beauty 2\}
  2  {SELECT * FROM q3 EXCEPT SELECT a,b FROM q1} \{beauty 2\}
}

# EVIDENCE-OF: R-46765-43362 For the purposes of determining duplicate rows for the results of compound SELECT operators, NULL values are considered equal to other NULL values and distinct from all non-NULL values.

# db nullvalue null

do_select_tests e_select-7.9 {
  1  {SELECT NULL UNION ALL SELECT NULL} \{null null\}
  2  {SELECT NULL UNION SELECT NULL} \{null\}
  3  {SELECT NULL INTERSECT SELECT NULL} \{null\}
  4  {SELECT NULL EXCEPT SELECT NULL} \{\}\n
  5  {SELECT NULL UNION ALL SELECT 'ab'} \{null ab\}
  6  {SELECT NULL UNION SELECT 'ab'} \{null ab\}
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7  {SELECT NULL INTERSECT SELECT 'ab'} {}
8  {SELECT NULL EXCEPT SELECT 'ab'} {null}

9  {SELECT NULL UNION ALL SELECT 0} {null 0}
10 {SELECT NULL UNION SELECT 0} {null 0}
11 {SELECT NULL INTERSECT SELECT 0} {}
12 {SELECT NULL EXCEPT SELECT 0} {null}

13 {SELECT c FROM q1 UNION ALL SELECT g FROM q3} {null -42.47 null 2 2}
14 {SELECT c FROM q1 UNION SELECT g FROM q3} {null -42.47 2}
15 {SELECT c FROM q1 INTERSECT SELECT g FROM q3} {}
16 {SELECT c FROM q1 EXCEPT SELECT g FROM q3} {null -42.47}
}

db nullvalue {}

# EVIDENCE-OF: R-51232-50224 The collation sequence used to compare two
# text values is determined as if the columns of the left and right-hand
# SELECT statements were the left and right-hand operands of the equals
# (=) operator, except that greater precedence is not assigned to a
# collation sequence specified with the postfix COLLATE operator.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
  CREATE TABLE y1(a COLLATE nocase, b COLLATE binary, c);
  INSERT INTO y1 VALUES('Abc', 'abc', 'aBC');
}
}
do_select_tests e_select-7.10 {
  1 {SELECT 'abc' UNION SELECT 'ABC'} {ABC abc}
  2 {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC'} {ABC}
  3 {SELECT 'abc' UNION SELECT 'ABC' COLLATE nocase} {ABC}
  4 {SELECT 'abc' COLLATE binary UNION SELECT 'ABC' COLLATE nocase} {ABC abc}
  5 {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC' COLLATE binary} {ABC}

  6 {SELECT a FROM y1 UNION SELECT b FROM y1} {abc}
  7 {SELECT b FROM y1 UNION SELECT a FROM y1} {Abc abc}
  8 {SELECT a FROM y1 UNION SELECT c FROM y1} {aBC}

  9 {SELECT a FROM y1 UNION SELECT c COLLATE binary FROM y1} {aBC}
}

# EVIDENCE-OF: R-32706-07403 No affinity transformations are applied to
# any values when comparing rows as part of a compound SELECT.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
  CREATE TABLE w1(a TEXT, b NUMBER);
  CREATE TABLE w2(a, b TEXT);
INSERT INTO w1 VALUES('1', 4.1);
INSERT INTO w2 VALUES(1, 4.1);
} {}

do_select_tests e_select-7.11 {
  1 { SELECT a FROM w1 UNION SELECT a FROM w2 } {1 1}
  2 { SELECT a FROM w2 UNION SELECT a FROM w1 } {1 1}
  3 { SELECT b FROM w1 UNION SELECT b FROM w2 } {4.1 4.1}
  4 { SELECT b FROM w2 UNION SELECT b FROM w1 } {4.1 4.1}
  5 { SELECT a FROM w1 INTERSECT SELECT a FROM w2 } {}
  6 { SELECT a FROM w2 INTERSECT SELECT a FROM w1 } {}
  7 { SELECT b FROM w1 INTERSECT SELECT b FROM w2 } {}
  8 { SELECT b FROM w2 INTERSECT SELECT b FROM w1 } {}
  9 { SELECT a FROM w1 EXCEPT SELECT a FROM w2 } {1}
 10 { SELECT a FROM w2 EXCEPT SELECT a FROM w1 } {1}
 11 { SELECT b FROM w1 EXCEPT SELECT b FROM w2 } {4.1}
 12 { SELECT b FROM w2 EXCEPT SELECT b FROM w1 } {4.1}
}

# EVIDENCE-OF: R-32562-20566 When three or more simple SELECTs are
# connected into a compound SELECT, they group from left to right. In
# other words, if "A", "B" and "C" are all simple SELECT statements, (A
# op B op C) is processed as ((A op B) op C).
#
# e_select-7.12.1: Precedence of UNION vs. INTERSECT
# e_select-7.12.2: Precedence of UNION vs. UNION ALL
# e_select-7.12.3: Precedence of UNION vs. EXCEPT
# e_select-7.12.4: Precedence of INTERSECT vs. UNION ALL
# e_select-7.12.5: Precedence of INTERSECT vs. EXCEPT
# e_select-7.12.6: Precedence of UNION ALL vs. EXCEPT
# e_select-7.12.7: Check that "a EXCEPT b EXCEPT c" is processed as
#      "(a EXCEPT b) EXCEPT c".
#
# The INTERSECT and EXCEPT operations are mutually commutative. So
# the e_select-7.12.5 test cases do not prove very much.
#
drop_all_tables
do_execsql_test e_select-7.12.0 {
  CREATE TABLE t1(x);
  INSERT INTO t1 VALUES(1);
  INSERT INTO t1 VALUES(2);
  INSERT INTO t1 VALUES(3);
} {}
foreach {tn select res} {
  1a "(1,2) INTERSECT (1) UNION (3)" {1 3}
1b "(3) UNION (1,2) INTERSECT (1)" {1}

2a "(1,2) UNION (3) UNION ALL (1)" {1 2 3 1}
2b "(1) UNION ALL (3) UNION (1,2)" {1 2 3}

3a "(1,2) UNION (3) EXCEPT (1)" {2 3}
3b "(1,2) EXCEPT (3) UNION (1)" {1 2}

4a "(1,2) INTERSECT (1) UNION ALL (3)" {1 3}
4b "(3) UNION (1,2) INTERSECT (1)" {1}

5a "(1,2) INTERSECT (2) EXCEPT (2)" {}
5b "(2,3) EXCEPT (2) INTERSECT (2)" {}

6a "(2) UNION ALL (2) EXCEPT (2)" {}
6b "(2) EXCEPT (2) UNION ALL (2)" {2}

7 "(2,3) EXCEPT (2) EXCEPT (3)" {}

set select [string map { (SELECT x FROM t1 WHERE x IN () } $select]
do_execsql_test e_select-7.12.$tn $select [list {*}$res]
}

#-----------------------------------------------
# ORDER BY clauses
#

drop_all_tables
do_execsql_test e_select-8.1.0 {
CREATE TABLE d1(x, y, z);
INSERT INTO d1 VALUES(1, 2, 3);
INSERT INTO d1 VALUES(2, 5, -1);
INSERT INTO d1 VALUES(1, 2, 8);
INSERT INTO d1 VALUES(1, 2, 7);
INSERT INTO d1 VALUES(2, 4, 93);
INSERT INTO d1 VALUES(1, 2, -20);
INSERT INTO d1 VALUES(1, 4, 93);
INSERT INTO d1 VALUES(1, 5, -1);

CREATE TABLE d2(a, b);
INSERT INTO d2 VALUES('gently', 'failings');
INSERT INTO d2 VALUES('commercials', 'bathrobe');
INSERT INTO d2 VALUES('iterate', 'sextion');
INSERT INTO d2 VALUES('babied', 'charitableness');
INSERT INTO d2 VALUES('solemnness', 'annexed');
INSERT INTO d2 VALUES('rejoicing', 'liabilities');
INSERT INTO d2 VALUES('pragmatist', 'guarded');
INSERT INTO d2 VALUES('barked', 'interrupted');
INSERT INTO d2 VALUES('reemphasizes', 'reply');
INSERT INTO d2 VALUES('lad', 'relenting');
}

# EVIDENCE-OF: R-44988-41064 Rows are first sorted based on the results
# of evaluating the left-most expression in the ORDER BY list, then ties
# are broken by evaluating the second left-most expression and so on.
#
# do_select_tests e_select-8.1 {
#  "SELECT * FROM d1 ORDER BY x, y, z" {
#      1 2 -20    1 2 3    1 2 7    1 2 8
#      1 4  93  1 5  1   2 4 93   2 5  1
#  }
#
# # EVIDENCE-OF: R-06617-54588 Each ORDER BY expression may be optionally
# # followed by one of the keywords ASC (smaller values are returned
# # first) or DESC (larger values are returned first).
#
# # Test cases e_select-8.2.* test the above.
#
# # EVIDENCE-OF: R-18705-33393 If neither ASC or DESC are specified, rows
# # are sorted in ascending (smaller values first) order by default.
#
# # Test cases e_select-8.3.* test the above. All 8.3 test cases are
# # copies of 8.2 test cases with the explicit "ASC" removed.
#
# do_select_tests e_select-8 {
#  2.1  "SELECT * FROM d1 ORDER BY x ASC, y ASC, z ASC" {
#      1 2 -20    1 2 3    1 2 7    1 2 8
#      1 4  93  1 5  1   2 4 93   2 5  1
#  }
#  2.2  "SELECT * FROM d1 ORDER BY x DESC, y DESC, z DESC" {
#      2 5  1   2 4 93  1 5  1   1 4  93
#      1 2 8    1 2 7    1 2 3    1 2 6 -20
#  }
#  2.3 "SELECT * FROM d1 ORDER BY x DESC, y ASC, z DESC" {
#      2 4 93 2 5 -1   1 2 8    1 2 7
#      1 2 3   1 2 -20  1 4  93  1 5  1
#  }
#  2.4  "SELECT * FROM d1 ORDER BY x DESC, y ASC, z ASC" {
#      2 4 93 2 5 -1   1 2 -20  1 2 3
#      1 2 7    1 2 8    1 4  93  1 5  1
#  }
#  3.1  "SELECT * FROM d1 ORDER BY x, y, z" {

---

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3.3 "SELECT * FROM d1 ORDER BY x DESC, y, z DESC" {
    2 4 93  2 5 -1  1 2 8  1 2 7
    1 2 3  1 2 -20  1 4 93  1 5 -1
}

3.4 "SELECT * FROM d1 ORDER BY x DESC, y, z" {
    2 4 93  2 5 -1  1 2 -20  1 2 3
    1 2 7  1 2 8  1 4 93  1 5 -1
}

# EVIDENCE-OF: R-29779-04281 If the ORDER BY expression is a constant
# integer K then the expression is considered an alias for the K-th
# column of the result set (columns are numbered from left to right
# starting with 1).

#
do_select_tests e_select-8.4 {
    1 "SELECT * FROM d1 ORDER BY 1 ASC, 2 ASC, 3 ASC" {
        1 2 -20  1 2 3  1 2 7  1 2 8
        1 4 93  1 5 -1  2 4 93  2 5 -1
    }
    2 "SELECT * FROM d1 ORDER BY 1 DESC, 2 DESC, 3 DESC" {
        2 5 -1  2 4 93  1 5 -1  1 4 93
        1 2 8  1 2 7  1 2 3  1 2 -20
    }
    3 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 DESC" {
        2 4 93  2 5 -1  1 2 8  1 2 7
        1 2 3  1 2 -20  1 4 93  1 5 -1
    }
    4 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 ASC" {
        2 4 93  2 5 -1  1 2 -20  1 2 3
        1 2 7  1 2 8  1 4 93  1 5 -1
    }
    5 "SELECT * FROM d1 ORDER BY 1, 2, 3" {
        1 2 -20  1 2 3  1 2 7  1 2 8
        1 4 93  1 5 -1  2 4 93  2 5 -1
    }
    6 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3 DESC" {
        2 4 93  2 5 -1  1 2 8  1 2 7
        1 2 3  1 2 -20  1 4 93  1 5 -1
    }
    7 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3" {
        2 4 93  2 5 -1  1 2 -20  1 2 3
        1 2 7  1 2 8  1 4 93  1 5 -1
    }
    8 "SELECT z, x FROM d1 ORDER BY 2" {
# EVIDENCE-OF: R-63286-51977 If the ORDER BY expression is an identifier that corresponds to the alias of one of the output columns, then the expression is considered an alias for that column.

# do_select_tests e_select-8.5 {
1  "SELECT z+1 AS abc FROM d1 ORDER BY abc" {
   -19 0 0 4 8 9 94 94

2  "SELECT z+1 AS abc FROM d1 ORDER BY abc DESC" {
   94 94 9 8 4 0 0 -19

3  "SELECT z AS x, x AS z FROM d1 ORDER BY z" {
   /# 1    # 1    # 1    # 1    # 1    # 1    # 2    # 2/

4  "SELECT z AS x, x AS z FROM d1 ORDER BY x" {
   /-20 1    -1 #    -1 #    3 1    7 1    8 1    93 #    93 #/

} # EVIDENCE-OF: R-65068-27207 Otherwise, if the ORDER BY expression is any other expression, it is evaluated and the returned value used to order the output rows.

# EVIDENCE-OF: R-03421-57988 If the SELECT statement is a simple SELECT, then an ORDER BY may contain any arbitrary expressions.

# do_select_tests e_select-8.6 {
1  "SELECT * FROM d1 ORDER BY x+y+z" {
   1 2 -20 1.5 -1 1.2 3 2.5 -1
   1 2 7 1 2 8 1 4 93 2 4 93

2  "SELECT * FROM d1 ORDER BY x*z" {
   1 2 -20 2.5 -1 1.5 -1 1 2 3
   1 2 7 1 2 8 1 4 93 2 4 93

3  "SELECT * FROM d1 ORDER BY y*z" {
   1 2 -20 2.5 -1 1.5 -1 1 2 3
   1 2 7 1 2 8 2 4 93 1 4 93

}
However, if the SELECT is a compound SELECT, then ORDER BY expressions that are not aliases to output columns must be exactly the same as an expression used as an output column.

```
do_select_tests e_select-8.7.1 -error {
  %s ORDER BY term does not match any column in the result set
}
1  "SELECT x FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z" 1st
2  "SELECT x,z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" 2nd
}
do_select_tests e_select-8.7.2 {
1  "SELECT x*z FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z" {
  -20 -2 -1 3 7 8 93 186 babied barked commercials gently
  iterate lad pragmatist reemphasizes rejoicing solemnness
}
2  "SELECT x, x/z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" {
  1 -1 0 1 0 1 0 1 0 2 -2 2 0
  babied charitableness barked interrupted commercials bathrobe gently
  failings iterate sexton lad relenting pragmatist guarded reemphasizes reply
  rejoicing liabilities solemnness annexed
}
}
do_execsql_test e_select-8.8.0 {
CREATE TABLE d3(a);
INSERT INTO d3 VALUES('text');
INSERT INTO d3 VALUES(14.1);
INSERT INTO d3 VALUES(13);
INSERT INTO d3 VALUES(X'78787878');
INSERT INTO d3 VALUES(15);
INSERT INTO d3 VALUES(12.9);
INSERT INTO d3 VALUES(null);
CREATE TABLE d4(x COLLATE nocase);
INSERT INTO d4 VALUES('abc');
INSERT INTO d4 VALUES('ghi');
INSERT INTO d4 VALUES('DEF');
INSERT INTO d4 VALUES('JKL');
}
```

For the purposes of sorting rows, values are compared in the same way as for comparison expressions.

```
# EVIDENCE-OF: R-10883-17697 For the purposes of sorting rows, values are compared in the same way as for comparison expressions.
```

The following tests verify that values of different types are sorted.
# correctly, and that mixed real and integer values are compared properly.
#
do_execsql_test e_select-8.8.1 {
    SELECT a FROM d3 ORDER BY a
} {{} 12.9 13 14.1 15 text xxxx}
do_execsql_test e_select-8.8.2 {
    SELECT a FROM d3 ORDER BY a DESC
} {xxxx text 15 14.1 13 12.9 {}}

# EVIDENCE-OF: R-64199-22471 If the ORDER BY expression is assigned a
# collation sequence using the postfix COLLATE operator, then the
# specified collation sequence is used.
#
do_execsql_test e_select-8.9.1 {
    SELECT x FROM d4 ORDER BY 1 COLLATE binary
} {DEF JKL abc ghi}
do_execsql_test e_select-8.9.2 {
    SELECT x COLLATE binary FROM d4 ORDER BY 1 COLLATE nocase
} {abc DEF ghi JKL}

# EVIDENCE-OF: R-09398-26102 Otherwise, if the ORDER BY expression is
# an alias to an expression that has been assigned a collation sequence
# using the postfix COLLATE operator, then the collation sequence
# assigned to the aliased expression is used.
#
# In the test 8.10.2, the only result-column expression has no alias. So the
# ORDER BY expression is not a reference to it and therefore does not inherit
# the collation sequence. In test 8.10.3, "x" is the alias (as well as the
# column name), so the ORDER BY expression is interpreted as an alias and the
# collation sequence attached to the result column is used for sorting.
#
do_execsql_test e_select-8.10.1 {
    SELECT x COLLATE binary FROM d4 ORDER BY 1
} {DEF JKL abc ghi}
do_execsql_test e_select-8.10.2 {
    SELECT x COLLATE binary FROM d4 ORDER BY x
} {abc DEF ghi JKL}
do_execsql_test e_select-8.10.3 {
    SELECT x COLLATE binary AS x FROM d4 ORDER BY x
} {DEF JKL abc ghi}

# EVIDENCE-OF: R-27301-09658 Otherwise, if the ORDER BY expression is a
# column or an alias of an expression that is a column, then the default
# collation sequence for the column is used.
#
do_execsql_test e_select-8.11.1 {
    SELECT x AS y FROM d4 ORDER BY y


```sql
SELECT x||'' FROM d4 ORDER BY x
```

# EVIDENCE-OF: R-49925-55905 Otherwise, the BINARY collation sequence is used.

```sql
SELECT x FROM d4 ORDER BY x||''
```

# EVIDENCE-OF: R-44130-32593 If an ORDER BY expression is not an integer alias, then SQLite searches the left-most SELECT in the compound for a result column that matches either the second or third rules above. If a match is found, the search stops and the expression is handled as an alias for the result column that it has been matched against. Otherwise, the next SELECT to the right is tried, and so on.

```sql
CREATE TABLE d5(a, b);
CREATE TABLE d6(c, d);
CREATE TABLE d7(e, f);

INSERT INTO d5 VALUES(1, 'f');
INSERT INTO d6 VALUES(2, 'e');
INSERT INTO d7 VALUES(3, 'd');
INSERT INTO d5 VALUES(4, 'c');
INSERT INTO d6 VALUES(5, 'b');
INSERT INTO d7 VALUES(6, 'a');

CREATE TABLE d8(x COLLATE nocase);
CREATE TABLE d9(y COLLATE nocase);

INSERT INTO d8 VALUES('a');
INSERT INTO d9 VALUES('B');
INSERT INTO d8 VALUES('c');
INSERT INTO d9 VALUES('D');
```
\[
\begin{align*}
4 \quad & \{ \text{SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7 ORDER BY 1} \\
& \{1 2 3 4 5 6\} \\
5 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY b} \} \\
& \{1 f  c 4  c 1 f\} \\
6 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 2} \} \\
& \{1 f  c 4  c 1 f\} \\
7 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY a} \} \\
& \{1 f  c 4  c 4  f 1\} \\
8 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 1} \} \\
& \{1 f  c 4  c 4  f 1\} \\
9 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1} \} \\
& \{1 f  c 5  c 1 f\} \\
10 \quad & \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 2} \} \\
& \{1 f  c 5  c 1 f\} \\
11 \quad & \{ \text{SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1} \} \\
& \{2 f  c 5  c 1 f\} \\
12 \quad & \{ \text{SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 1} \} \\
& \{2 f  c 5  c 1 f\} \\
\end{align*}
\]
# Tests related to statements made about the LIMIT/OFFSET clause.
#
# do_execsql_test e_select-9.0 {
CREATE TABLE f1(a, b);
INSERT INTO f1 VALUES(26, 'z');
INSERT INTO f1 VALUES(25, 'y');
INSERT INTO f1 VALUES(24, 'x');
INSERT INTO f1 VALUES(23, 'w');
INSERT INTO f1 VALUES(22, 'v');
INSERT INTO f1 VALUES(21, 'u');
INSERT INTO f1 VALUES(20, 't');
INSERT INTO f1 VALUES(19, 's');
INSERT INTO f1 VALUES(18, 'r');
INSERT INTO f1 VALUES(17, 'q');
INSERT INTO f1 VALUES(16, 'p');
INSERT INTO f1 VALUES(15, 'o');
INSERT INTO f1 VALUES(14, 'n');
INSERT INTO f1 VALUES(13, 'm');
INSERT INTO f1 VALUES(12, 'l');
INSERT INTO f1 VALUES(11, 'k');
INSERT INTO f1 VALUES(10, 'j');
INSERT INTO f1 VALUES(9, 'i');
INSERT INTO f1 VALUES(8, 'h');
INSERT INTO f1 VALUES(7, 'g');
INSERT INTO f1 VALUES(6, 'f');
INSERT INTO f1 VALUES(5, 'e');
INSERT INTO f1 VALUES(4, 'd');
INSERT INTO f1 VALUES(3, 'c');
INSERT INTO f1 VALUES(2, 'b');
INSERT INTO f1 VALUES(1, 'a');
} {}

# EVIDENCE-OF: R-30481-56627 Any scalar expression may be used in the
# LIMIT clause, so long as it evaluates to an integer or a value that
# can be losslessly converted to an integer.
#
# do_select_tests e_select-9.1 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 5 } {a b c d e}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 2+3 } {a b c d e}
  3 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b = 'e') }
     {a b c d e}
4 { SELECT b FROM f1 ORDER BY a LIMIT 5.0 } {a b c d e}
5 { SELECT b FROM f1 ORDER BY a LIMIT '5' } {a b c d e}
}

# EVIDENCE-OF: R-46155-47219 If the expression evaluates to a NULL value
# or any other value that cannot be losslessly converted to an integer,
# an error is returned.
#

do_select_tests e_select-9.2 -error "datatype mismatch" {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 'hello' } {}
  2 { SELECT b FROM f1 ORDER BY a LIMIT NULL } {}
  3 { SELECT b FROM f1 ORDER BY a LIMIT X'ABCD' } {}
  4 { SELECT b FROM f1 ORDER BY a LIMIT 5.1 } {}
  5 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT group_concat(b) FROM f1) } {}
}

# EVIDENCE-OF: R-03014-26414 If the LIMIT expression evaluates to a
# negative value, then there is no upper bound on the number of rows
# returned.
#

do_select_tests e_select-9.4 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT -1 } {a b c d e f g h i j k l m n o p q r s t u v w x y z}
  2 { SELECT b FROM f1 ORDER BY a LIMIT length('abc')-100 } {a b c d e f g h i j k l m n o p q r s t u v w x y z}
  3 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT count(*) FROM f1)/2 - 14 } {a b c d e f g h i j k l m n o p q r s t u v w x y z}
}

# EVIDENCE-OF: R-33750-29536 Otherwise, the SELECT returns the first N
# rows of its result set only, where N is the value that the LIMIT
# expression evaluates to.
#

do_select_tests e_select-9.5 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 0 } {}
  2 { SELECT b FROM f1 ORDER BY a DESC LIMIT 4 } {z y x w}
  3 { SELECT b FROM f1 ORDER BY a DESC LIMIT 8 } {z y x w v u t s}
  4 { SELECT b FROM f1 ORDER BY a DESC LIMIT '12.0' } {z y x w v u t s r q p o}
}

# EVIDENCE-OF: R-54935-19057 Or, if the SELECT statement would return
# less than N rows without a LIMIT clause, then the entire result set is
# returned.
#

do_select_tests e_select-9.6 {
  1 { SELECT b FROM f1 WHERE a>21 ORDER BY a LIMIT 10 } {v w x y z}
  2 { SELECT count(*) FROM f1 GROUP BY a/5 ORDER BY 1 LIMIT 10 } {2 4 5 5 5 5}

EVIDENCE-OF: R-24188-24349 The expression attached to the optional OFFSET clause that may follow a LIMIT clause must also evaluate to an integer, or a value that can be losslessly converted to an integer.

foreach {tn select} {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 'hello' }
  2 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET NULL }
  3 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET X'ABCD' }
  4 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 5.1 }
  5 { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET (SELECT group_concat(b) FROM f1) }
}

do_catchsql_test e_select-9.7.$tn $select {1 {datatype mismatch}}

EVIDENCE-OF: R-20467-43422 If an expression has an OFFSET clause, then the first M rows are omitted from the result set returned by the SELECT statement and the next N rows are returned, where M and N are the values that the OFFSET and LIMIT clauses evaluate to, respectively.

do_select_tests e_select-9.8 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 5} {f g h i j k l m n o}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 2+3 OFFSET 10} {k l m n o}
  3 { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b='j') OFFSET (SELECT a FROM f1 WHERE b='b') }
      {c d e f g h i j k l}
  4 { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 3.0 } {d e f g h}
  5 { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 0 } {a b c d e}
  6 { SELECT b FROM f1 ORDER BY a LIMIT 0 OFFSET 10 } {}
  7 { SELECT b FROM f1 ORDER BY a LIMIT 3 OFFSET '1'||'5' } {p q r}
}

EVIDENCE-OF: R-34648-44875 Or, if the SELECT would return less than M+N rows if it did not have a LIMIT clause, then the first M rows are skipped and the remaining rows (if any) are returned.

do_select_tests e_select-9.9 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 20} {u v w x y z}
  2 { SELECT a FROM f1 ORDER BY a DESC LIMIT 100 OFFSET 18+4} {4 3 2 1}
}
If the OFFSET clause evaluates to a negative value, the results are the same as if it had evaluated to zero.

do_select_tests e_select-9.10 {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -1 } {a b c d e}
  2  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -500 } {a b c d e}
  3  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET 0 } {a b c d e}
}

Instead of a separate OFFSET clause, the LIMIT clause may specify two scalar expressions separated by a comma.

# EVIDENCE-OF: R-33788-46243 In this case, the first expression is used as the OFFSET expression and the second as the LIMIT expression.

do_select_tests e_select-9.11 {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 5, 10 } {f g h i j k l m n o}
  2  { SELECT b FROM f1 ORDER BY a LIMIT 10, 2+3 } {k l m n o}
  3  { SELECT b FROM f1 ORDER BY a
       LIMIT (SELECT a FROM f1 WHERE b='b'), (SELECT a FROM f1 WHERE b='j')
       } {c d e f g h i j k l}
  4  { SELECT b FROM f1 ORDER BY a LIMIT 3.0, '5' } {d e f g h}
  5  { SELECT b FROM f1 ORDER BY a LIMIT 0, '5' } {a b c d e}
  6  { SELECT b FROM f1 ORDER BY a LIMIT 10, 0 } {}
  7  { SELECT b FROM f1 ORDER BY a LIMIT '1'||'5', 3 } {p q r}
  8  { SELECT b FROM f1 ORDER BY a LIMIT 20, 10 } {u v w x y z}
  9  { SELECT a FROM f1 ORDER BY a DESC LIMIT 18+4, 100 } {4 3 2 1}
 10 { SELECT b FROM f1 ORDER BY a LIMIT -1, 5 } {a b c d e}
 11 { SELECT b FROM f1 ORDER BY a LIMIT -500, 5 } {a b c d e}
 12 { SELECT b FROM f1 ORDER BY a LIMIT 0, 5 } {a b c d e}
}

finish_test

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;
        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 transaction Volume Hedged
   1 - 24990
   2500 - 54995000

---

Open Source Used In Cisco Unified Communication Manager 14SU2 4514
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
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');

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'});
Fran Fagan
Sr. HR Rep
713.853.5219

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

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('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

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_d ate=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.');
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.
"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. ??
i

- 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');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
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.
');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '-

Here is a goody for you');
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o’rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sv1=2&tv1exp=y&current_effective_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggren2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Enron / HPL Actuals for July 10, 2000, Teco Tap 10.000 / Enron ; 110.000 / HPL IFERC
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.'; 

INSERT INTO email(from,to,subject,body) VALUES('michelle.lokay@enron.com', 'jimboman@bigfoot.com', 'Egyptian Festival', '---------------------- Forwarded by Michelle Lokay/ET&S/Enron on 09/07/2000 10:08 AM ---------------------------

"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@mhhls.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

');

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
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>
c:
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',
'mmmarcatel@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,
Dear SmartReminders Member,

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, mark.palmer@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


Who is General Brinks?

Fletch

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@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, 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)
- 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.

');

INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com, chris.germany@enron.com', '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" <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, michaelarya@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)', '2001 Enron Law Conference (Distribution List 2)’, ‘2001 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.
I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy;

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;

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
kourtney.nelson@enron.com;
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

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 >>

Thanks

chris
x31666

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

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

---

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. Ty choliz
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/

---

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:

bp 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; <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variances 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/litebytztolzprint.jpg);

    COMMIT;
    }
 } { }

###############################################################################
Everything above just builds an interesting test database. The actual tests come after this comment.

# 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 fts1c-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 fts1c-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 fts1c-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 fts1c-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 fts1c-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 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'
  } {{... 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> 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 {
excsq {
    SELECT snippet(email) FROM email 
    WHERE email MATCH "pursuant to"
}
} {Erin:

<P> Pursuant</P> to your request, attached are the Schedule to <P></P> ...

do_test fts1c-4.8 {
excsq {
    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 {
excsq {
    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 {
excsq {
    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.

# 2012 May 21
#
# 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.
#
# NB: Portions of this file are extracted from open-source projects
# covered by permissive licenses. Use of this file for testing is clearly
# allowed. However, do not incorporate the text of this one file into
# end-products without checking the licenses on the open-source projects
# from which this code was extracted. This warning applies to this one
# file only - not the bulk of the SQLite source code and tests.
#
#***********************************************************************
#
# This file contains large and complex schemas obtained from open-source
# software projects. The schemas are parsed just to make sure that nothing
# breaks in the parser logic.
#
# These tests merely verify that the parse occurs without error.
# No attempt is made to verify correct operation of the resulting schema
# and statements.
#
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 ",",d_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_saveview VARCHAR(1) DEFAULT 'N' CHECK (t_saveview 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 DEFAULT '',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_rate FLOAT NOT NULL CHECK (f_rate>=0),t_income_value_date_mode VARCHAR(1) NOT NULL DEFAULT 'F' CHECK (t_income_value_date_mode IN ('F', '0', '1', '2', '3', '4', '5')),t_base VARCHAR(3) NOT NULL DEFAULT '24' CHECK (t_base IN ('24', '360', '365')));
CREATE TABLE operation (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,i_group_id INTEGER NOT NULL DEFAULT 0,i_number INTEGER DEFAULT 0 CHECK (i_number>=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,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')),t_template VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_template IN ('Y', 'N')));
CREATE TABLE operationbalance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,f_balance FLOAT NOT NULL DEFAULT 0,r_operation_id INTEGER NOT NULL);
CREATE TABLE refund (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')));
CREATE TABLE payee (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')));
CREATE TABLE suboperation (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 '');
CREATE TABLE rule (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')));
CREATE TABLE budget (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>=0 AND i_month<=12));
CREATE TABLE budgetcategory (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, id_category INTEGER NOT NULL DEFAULT 0);
CREATE TABLE budgetrule (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>=0 AND i_month<=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 (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), t_rule TEXT NOT NULL DEFAULT 'N', CHECK (t_rule IN ('N', 'C', 'Y')));
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) 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', 'I', '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 DEFAULT '', t_fullname TEXT, rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE, t_icon TEXT DEFAULT '', t_data TEXT, t_autostart VARCHAR(1) DEFAULT 'N', CHECK (t_autostart IN ('Y', 'N')));
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,
    tCATEGORY,
    tPERIOD,
    fCURRENTAMOUNT,
    tRULES
);
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_account_type ON account(t_type);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_operation_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_tmp1_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx_operation_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx_operation_i_number ON operation (i_number);
CREATE INDEX idx_operation_i_tmp ON operation (i_tmp);
CREATE INDEX idx_operation_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_rc_unit_id ON operation (rc_unit_id);
CREATE INDEX idx_operation_t_status ON operation (t_status);
CREATE INDEX idx_operation_t_import_id ON operation (t_import_id);
CREATE INDEX idx_operation_t_template ON operation (t_template);
CREATE INDEX idx_operation_d_date ON operation (d_date);
CREATE INDEX idx_operationbalance_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_categoryfullname 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)')
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)')
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)')
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)')
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 fkdb_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: fkdb_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 fkdbd_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: fkdbd_budgetrule_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM budgetrule WHERE rc_category_id_target = OLD.id) IS NOT NULL; 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 fkd_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE DELETE ON doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtruire un objet (doctransaction est utilis par doctransactionitem) Nom de la contrainte: fkd_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)') 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_doctransactionitem_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)') 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)') 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 doctransaction FOR EACH ROW BEGIN DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilis par interest)') 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 fku_interest_account_rd_account_id_id BEFORE UPDATE ON interest FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilis par interest)') 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_account_interest_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;

CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilis par node)') WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!="" AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fku_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilis par node)') WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!="" AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fkdc_node_node_id_rd_node_id BEFORE DELETE ON node FOR EACH ROW BEGIN DELETE FROM node WHERE node.rd_node_id = OLD.id; 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)') 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 fku_operation_account_rd_account_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par operation) Nom de la contrainte: fku_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_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN DELETE FROM operation WHERE operation.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_operation_payee_r_payee_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (payee est utilisé par operation) Nom de la contrainte: fki_operation_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 fku_operation_payee_r_payee_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (payee est utilisé par operation) Nom de la contrainte: fku_operation_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 fkd_operation_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 (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 retire 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 utilis par operationbalance)') 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 operation 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 utilis par recurrentoperation)') 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_recurrentoperation_operation_rd_operation_id_id BEFORE UPDATE ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par recurrentoperation)') 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 suboperation)') 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 suboperation)') 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 suboperation)') 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 suboperation)') 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 DELETE FROM suboperation WHERE suboperation.rd_operation_id = OLD.id; END;
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 suboperation)
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 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;
CREATE TRIGGER fkdc_unit_unitvalue_id_rd_unit_id BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN DELETE FROM unitvalue WHERE unitvalue.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_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 s WHERE s.id=unit.rd_unit_id) END) AS t_UNIT,(CASE unit.t_type WHEN '1' THEN 'Monnaie principale' WHEN '2' THEN 'Monnaie secondaire' WHEN 'C' THEN 'Monnaie' WHEN 'S' THEN 'Action' WHEN 'I' 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 from unit;
CREATE VIEW v_unit_tmp2 AS SELECT *, CASE WHEN v_unit_tmp1.t_type='1' THEN 1 ELSE
CREATE VIEW v_recurrentoperation AS SELECT *, i_period_increment[i][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) || SUBSTR((SELECT t_displayname FROM v_operation_displayname WHERE v_operation_displayname.id = v_recurrentoperation.rd_operation_id), 11) 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_display;
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 'Dépense' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, STRFTIME('%Y-W%W', v_operation.d_date) AS d_DATEWEEK, STRFTIME('%Y-%m', v_operation.d_date) AS d_DATEMONTH, STRFTIME('%Y-%m-%d', 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_QUANTITY ELSE 0 END) AS f_QUANTITY_INCOME, (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 FROM v_operation;
CREATE VIEW v_operation_template_display AS SELECT * FROM v_operation_display_all WHERE t_template = 'Y';
CREATE VIEW v_operation_display AS SELECT * FROM v_operation_display_all WHERE d_date != '0000-00-00' AND t_template = 'N';
CREATE VIEW v_unit_display AS SELECT *, (SELECT TOTAL(o.f_QUANTITY) FROM v_operation_display o WHERE o.rc_unit_id = v_unit.id) AS f_QUANTITYOWNED FROM v_unit;
CREATE VIEW v_account_display AS SELECT (CASE t_type WHEN 'C' THEN 'Courant' WHEN 'D' THEN 'Carte de crédit' WHEN 'A' THEN 'Actif' WHEN 'I' THEN 'Investissement' WHEN 'W' THEN 'Portefeuille' WHEN
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=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.t_Category AS t_REALCATEGORY, sop.t_REFUND AS t_REALREFUND, sop.r_category_id AS i_IDCATEGORY, (CASE WHEN sop.f_value<0 THEN '-' WHEN sop.f_value=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN sop.f_value<0 THEN 'Dpense' WHEN sop.f_value=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, sop.f_value AS f_REALQUANTITY, sop.f_VALUE_INCOME AS f_REALQUANTITY_INCOME, sop.f_VALUE_EXPENSE AS f_REALQUANTITY_EXPENSE, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_value) AS f_REALCURRENTAMOUNT, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_INCOME) AS f_REALCURRENTAMOUNT_INCOME, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_EXPENSE) AS f_REALCURRENTAMOUNT_EXPENSE, op.* FROM v_operation_display_all AS op, v_suboperation_display AS sop WHERE op.t_template='N' AND sop.rd_operation_id=op.ID;

CREATE VIEW v_operation_prop AS SELECT p.id AS i_PROPPID, p.t_name AS i_PROPNAME, 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 d’effacer ce suivant 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 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 v_operation_v_payee WHERE r_payee_id=payee.id AND t_status='Y') THEN 'Vous n’êtes pas autorisés d’effacer ce tiers car utilisé par des opérations rapprochées' END) t_delete_message FROM payee;

CREATE VIEW v_payee AS SELECT *, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) 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 autorisé à éliminer cette catégorie car elle est 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`) 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 *, `f_REALCURRENTAMOUNT` + (SELECT TOTAL(`c.f_REALCURRENTAMOUNT`) FROM `vm_category_display_tmp` `c` WHERE `c.t_fullname` LIKE `vm_category_display_tmp.t_fullname` || ' > %') AS `f_SUMCURRENTAMOUNT`, `i_NBOPERATIONS` + (SELECT CAST(TOTAL(`c.i_NBOPERATIONS`) AS INTEGER) FROM `vm_category_display_tmp` `c` WHERE `c.t_fullname` LIKE `vm_category_display_tmp.t_fullname` || ' > %') AS `i_SUMNBOPERATIONS`, (CASE WHEN `t_bookmarked` = '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.t_REALCURRENTAMOUNT` < 0 THEN '-' ELSE '+' END) AS `t_TYPEEXPENSE`, (CASE WHEN `vm_category_display_tmp.t_REALCURRENTAMOUNT` < 0 THEN 'Dépense' ELSE 'Revenu' END) AS `t_TYPEEXPENSENLST` 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` `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 *, `t_displayname := STRFTIME('%d/%m/%Y', `d_date`) || ' %' 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 'Négatif' 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 'Année' 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` 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_CATEGORYCONDITION`, IFNULL((SELECT `s.t_fullname` FROM `category` `s` WHERE `s.id` = `budget.rc_category_id_target`), '') AS `t_CATEGORY`, (CASE WHEN `budget.i_conditions` = -1 THEN 'Négatif' WHEN `budget.i_conditions` = 1 THEN 'Positif' WHEN `budget.i_conditions` = 0 THEN 'Tous' END) AS `t_WHENNLS`, `f_quantity` || (CASE WHEN `budget.t_absolute` = 'N' THEN '%' ELSE (SELECT `t_symbol` FROM `unit` WHERE `t_type` = '1') END) AS `t_WHATNLS`, (CASE WHEN `budget.t_rule` = 'N' THEN 'Suivant' WHEN `budget.t_rule` = 'C' THEN 'Courant' WHEN `budget.t_rule` = 'Y' THEN 'Année' END) AS `t_RULENLS` FROM `budget`;
CREATE VIEW `v_budgetrule_display` AS SELECT * FROM `v_budgetrule`;
CREATE VIEW `v_budgetrule_displayname` AS SELECT *, `t_WHENNLS` || ' ' || `t_WHATNLS` || ' ' || `t_RULENLS` 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_CATEGORYCONDITION`, IFNULL((SELECT `s.t_fullname` FROM `category` `s` WHERE `s.id` = `budget.rc_category_id_target`), '') AS `t_CATEGORY`, (CASE WHEN `budget.i_conditions` = -1 THEN 'Négatif' WHEN `budget.i_conditions` = 1 THEN 'Positif' WHEN `budget.i_conditions` = 0 THEN 'Tous' END) AS `t_WHENNLS`, `f_quantity` || (CASE WHEN `budget.t_absolute` = 'N' THEN '%' ELSE (SELECT `t_symbol` FROM `unit` WHERE `t_type` = '1') END) AS `t_WHATNLS`, (CASE WHEN `budget.t_rule` = 'N' THEN 'Suivant' WHEN `budget.t_rule` = 'C' THEN 'Courant' WHEN `budget.t_rule` = 'Y' THEN 'Année' END) AS `t_RULENLS` FROM `budget`;
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 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
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;UPDATE category SET t_name=t_name WHERE rd_category_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;

# The next test requires FTS4
ifcapable !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:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER, "mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER, "mfo:optional:graph" INTEGER);
CREATE TABLE "mfo:FeedElement" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER, "mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mfo:FeedMessage</td>
<td>CREATE TABLE &quot;mfo:FeedMessage&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;mfo:downloadedTime&quot; INTEGER, &quot;mfo:downloadedTime:graph&quot; INTEGER, &quot;mfo:downloadedTime:localDate&quot; INTEGER, &quot;mfo:downloadedTime:localTime&quot; INTEGER);</td>
</tr>
<tr>
<td>mfo:FeedMessage_mfo:enclosureList</td>
<td>CREATE TABLE &quot;mfo:FeedMessage_mfo:enclosureList&quot; (ID INTEGER NOT NULL, &quot;mfo:enclosureList&quot; INTEGER NOT NULL, &quot;mfo:enclosureList:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mfo:FeedType</td>
<td>CREATE TABLE &quot;mfo:FeedType&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;mfo:name&quot; TEXT COLLATE NOCASE, &quot;mfo:name:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoBoundingBox</td>
<td>CREATE TABLE &quot;mlo:GeoBoundingBox&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:GeoBoundingBox_mlo:bbNorthWest</td>
<td>CREATE TABLE &quot;mlo:GeoBoundingBox_mlo:bbNorthWest&quot; (ID INTEGER NOT NULL, &quot;mlo:bbNorthWest&quot; INTEGER NOT NULL, &quot;mlo:bbNorthWest:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoBoundingBox_mlo:bbSouthEast</td>
<td>CREATE TABLE &quot;mlo:GeoBoundingBox_mlo:bbSouthEast&quot; (ID INTEGER NOT NULL, &quot;mlo:bbSouthEast&quot; INTEGER NOT NULL, &quot;mlo:bbSouthEast:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoLocation</td>
<td>CREATE TABLE &quot;mlo:GeoLocation&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:GeoLocation_mlo:asBoundingBox</td>
<td>CREATE TABLE &quot;mlo:GeoLocation_mlo:asBoundingBox&quot; (ID INTEGER NOT NULL, &quot;mlo:asBoundingBox&quot; INTEGER NOT NULL, &quot;mlo:asBoundingBox:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoLocation_mlo:asGeoPoint</td>
<td>CREATE TABLE &quot;mlo:GeoLocation_mlo:asGeoPoint&quot; (ID INTEGER NOT NULL, &quot;mlo:asGeoPoint&quot; INTEGER NOT NULL, &quot;mlo:asGeoPoint:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoLocation_mlo:asPostalAddress</td>
<td>CREATE TABLE &quot;mlo:GeoLocation_mlo:asPostalAddress&quot; (ID INTEGER NOT NULL, &quot;mlo:asPostalAddress&quot; INTEGER NOT NULL, &quot;mlo:asPostalAddress:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint</td>
<td>CREATE TABLE &quot;mlo:GeoPoint&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:address</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:address&quot; (ID INTEGER NOT NULL, &quot;mlo:address&quot; TEXT NOT NULL, &quot;mlo:address:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:altitude</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:altitude&quot; (ID INTEGER NOT NULL, &quot;mlo:altitude&quot; REAL NOT NULL, &quot;mlo:altitude:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:city</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:city&quot; (ID INTEGER NOT NULL, &quot;mlo:city&quot; TEXT NOT NULL, &quot;mlo:city:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:country</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:country&quot; (ID INTEGER NOT NULL, &quot;mlo:country&quot; TEXT NOT NULL, &quot;mlo:country:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:latitude</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:latitude&quot; (ID INTEGER NOT NULL, &quot;mlo:latitude&quot; REAL NOT NULL, &quot;mlo:latitude:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:longitude</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:longitude&quot; (ID INTEGER NOT NULL, &quot;mlo:longitude&quot; REAL NOT NULL, &quot;mlo:longitude:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:state</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:state&quot; (ID INTEGER NOT NULL, &quot;mlo:state&quot; TEXT NOT NULL, &quot;mlo:state:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:GeoPoint_mlo:timestamp</td>
<td>CREATE TABLE &quot;mlo:GeoPoint_mlo:timestamp&quot; (ID INTEGER NOT NULL, &quot;mlo:timestamp&quot; INTEGER NOT NULL, &quot;mlo:timestamp:graph&quot; INTEGER);</td>
</tr>
</tbody>
</table>

---

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"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:boxEastLimit" INTEGER NOT NULL, "mlo:boxEastLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID INTEGER NOT NULL, "mlo:boxNorthLimit" INTEGER NOT NULL, "mlo:boxNorthLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID INTEGER NOT NULL, "mlo:boxSouthWestCorner" INTEGER NOT NULL, "mlo:boxSouthWestCorner:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID INTEGER NOT NULL, "mlo:boxVerticalLimit" INTEGER NOT NULL, "mlo:boxVerticalLimit:graph" INTEGER);
CREATE TABLE "mlo:PointOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route_mlo:endTime" (ID INTEGER NOT NULL, "mlo:endTime" INTEGER NOT NULL, "mlo:endTime:graph" INTEGER, "mlo:endTime:localDate" INTEGER NOT NULL, "mlo:endTime:localTime" INTEGER NOT NULL);
CREATE TABLE "mlo:Route_mlo:routeDetails" (ID INTEGER NOT NULL, "mlo:routeDetails" TEXT NOT NULL, "mlo:routeDetails:graph" INTEGER);
CREATE TABLE "mlo:Route_mlo:startTime" (ID INTEGER NOT NULL, "mlo:startTime" INTEGER NOT NULL, "mlo:startTime:graph" INTEGER, "mlo:startTime:localDate" INTEGER NOT NULL, "mlo:startTime: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:TransferElement" (ID INTEGER NOT NULL PRIMARY KEY,
"mto:source" INTEGER, "mto:source:graph" INTEGER, "mto:destination" INTEGER,
"mto:destination:graph" INTEGER, "mto:startedTime" INTEGER,
"mto:startedTime:graph" INTEGER, "mto:startedTime:localDate" INTEGER,
"mto:startedTime:localTime" INTEGER, "mto:completedTime" INTEGER,
"mto:completedTime:graph" INTEGER, "mto:completedTime:localDate" INTEGER,
"mto:completedTime:localTime" INTEGER, "mto:state" INTEGER,
"mto:graph" INTEGER);
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,
"mto:transferPrivacyLevel:graph" INTEGER);
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 "mtp: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:Alarm_ncal:action" (ID INTEGER NOT NULL,
"ncal:action" INTEGER NOT NULL, "ncal:action:graph" INTEGER);
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,
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ncal:AttachmentContent</code></td>
<td>Table containing attachment content data.</td>
</tr>
<tr>
<td><code>ncal:AttachmentEncoding</code></td>
<td>Table encoding attachment content.</td>
</tr>
<tr>
<td><code>ncal:Attendee</code></td>
<td>Table containing attendee information.</td>
</tr>
<tr>
<td><code>ncal:AttendeeOrOrganizer</code></td>
<td>Table containing attendee or organizer data.</td>
</tr>
<tr>
<td><code>ncal:AttendeeRole</code></td>
<td>Table containing attendee role information.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart</code></td>
<td>Table containing byday rule part information.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart_ncal:bydayModifier</code></td>
<td>Table containing byday rule part byday modifier information.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart_ncal:bydayWeekday</code></td>
<td>Table containing byday rule part byday weekday information.</td>
</tr>
<tr>
<td><code>ncal:Calendar</code></td>
<td>Table containing calendar information.</td>
</tr>
<tr>
<td><code>ncal:CalendarDataObject</code></td>
<td>Table containing calendar data object information.</td>
</tr>
<tr>
<td><code>ncal:CalendarScale</code></td>
<td>Table containing calendar scale information.</td>
</tr>
<tr>
<td><code>ncal:CalendarUserType</code></td>
<td>Table containing calendar user type information.</td>
</tr>
<tr>
<td><code>ncal:Event</code></td>
<td>Table containing event information.</td>
</tr>
<tr>
<td><code>ncal:EventStatus</code></td>
<td>Table containing event status information.</td>
</tr>
<tr>
<td><code>ncal:Freebusy</code></td>
<td>Table containing freebusy information.</td>
</tr>
<tr>
<td><code>ncal:FreebusyPeriod</code></td>
<td>Table containing freebusy period information.</td>
</tr>
<tr>
<td><code>ncal:FreebusyType</code></td>
<td>Table containing freebusy type information.</td>
</tr>
<tr>
<td><code>ncal:Journal</code></td>
<td>Table containing journal information.</td>
</tr>
<tr>
<td><code>ncal:NcalDateTime</code></td>
<td>Table containing NcalDateTime information.</td>
</tr>
</tbody>
</table>

---

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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, "ncal:range" INTEGER, "ncal:range:graph" INTEGER, "ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifier" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:id" INTEGER, "ncal:id:graph" INTEGER, "ncal:id:localDate" INTEGER, "ncal:id:localTime" INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifierRange" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceRule_ncal:byday" (ID INTEGER NOT NULL, "ncal:byday" INTEGER NOT NULL, "ncal:byday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byhour" (ID INTEGER NOT NULL, "ncal:byhour" INTEGER NOT NULL, "ncal:byhour:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byminute" (ID INTEGER NOT NULL, "ncal:byminute" INTEGER NOT NULL, "ncal:byminute:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonth" (ID INTEGER NOT NULL, "ncal:bymonth" INTEGER NOT NULL, "ncal:bymonth:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonthday" (ID INTEGER NOT NULL, "ncal:bymonthday" INTEGER NOT NULL, "ncal:bymonthday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysecond" (ID INTEGER NOT NULL, "ncal:bysecond" INTEGER NOT NULL, "ncal:bysecond:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysetpos" (ID INTEGER NOT NULL, "ncal:bysetpos" INTEGER NOT NULL, "ncal:bysetpos:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byweekno" (ID INTEGER NOT NULL, "ncal:byweekno" INTEGER NOT NULL, "ncal:byweekno:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byyearday" (ID INTEGER NOT NULL, "ncal:byyearday" INTEGER NOT NULL, "ncal:byyearday:graph" INTEGER);
CREATE TABLE "ncal:RequestStatus" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:statusDescription" TEXT COLLATE NOCASE, "ncal:statusDescription:graph" INTEGER, "ncal:returnStatus" TEXT)
CREATE TABLE "ncal:TimeTransparency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Timezone" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "ncal:TimezoneObservance" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:tzoffsetfrom" TEXT COLLATE NOCASE, "ncal:tzoffsetfrom:graph" INTEGER, "ncal:tzoffsetto" TEXT COLLATE NOCASE, "ncal:tzoffsetto:graph" INTEGER, "ncal:tzname" TEXT COLLATE NOCASE, "ncal:tzname: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);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Column Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>nco:AuthorizationStatus</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:BbsNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:CarPhoneNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:CellPhoneNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:Contact</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td><code>nco:fullname</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:fullname:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:key</code></td>
<td>INTEGER, <code>nco:key:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:contactUID</code></td>
<td><code>nco:contactUID:graph</code> INTEGER, <code>nco:contactLocalUID</code> TEXT COLLATE NOCASE, <code>nco:contactLocalUID:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:hasLocation</code></td>
<td>INTEGER, <code>nco:hasLocation:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:nickName</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:nickName:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:representative</code></td>
<td>INTEGER, <code>nco:representative:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:photo</code></td>
<td>INTEGER, <code>nco:photo:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:birthdayDate</code></td>
<td>INTEGER, <code>nco:birthdayDate:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:belongsToGroup</code></td>
<td>INTEGER NOT NULL, <code>nco:belongsToGroup:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:note</code></td>
<td>TEXT NOT NULL, <code>nco:note:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:emailAddress</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:emailAddress:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:FaxNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:ContactGroupName</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:ContactGroupName:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:ContactList</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:ContactListDataObject</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:containsContact</code></td>
<td>INTEGER NOT NULL, <code>nco:containsContact:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:ContactMedium</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td><code>nco:Contact_ncal:anniversary</code></td>
<td>(ID INTEGER NOT NULL, <code>nco:Contact_ncal:anniversary:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:Contact_ncal:birthday</code></td>
<td>(ID INTEGER NOT NULL, <code>nco:Contact_ncal:birthday:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:Contact_nco:belongsToGroup</code></td>
<td>INTEGER NOT NULL, <code>nco:Contact_nco:belongsToGroup:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:Contact_nco:note</code></td>
<td>TEXT NOT NULL, <code>nco:Contact_nco:note:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:Contact_ncal:anniversary</code></td>
<td>(ID INTEGER NOT NULL, <code>nco:Contact_ncal:anniversary:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:Contact_ncal:birthday</code></td>
<td>(ID INTEGER NOT NULL, <code>nco:Contact_ncal:birthday:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:domesticDeliveryAddress</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:EmailAddress</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td><code>nco:faxNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td><code>nco:fullName</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:fullName:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:key</code></td>
<td>INTEGER, <code>nco:key:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:contactUID</code></td>
<td><code>nco:contactUID:graph</code> INTEGER, <code>nco:contactLocalUID</code> TEXT COLLATE NOCASE, <code>nco:contactLocalUID:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:hasLocation</code></td>
<td>INTEGER, <code>nco:hasLocation:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:nickName</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:nickName:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:representative</code></td>
<td>INTEGER, <code>nco:representative:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:photo</code></td>
<td>INTEGER, <code>nco:photo:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:birthdayDate</code></td>
<td>INTEGER, <code>nco:birthdayDate:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:belongsToGroup</code></td>
<td>INTEGER NOT NULL, <code>nco:belongsToGroup:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:note</code></td>
<td>TEXT NOT NULL, <code>nco:note:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:emailAddress</code></td>
<td>TEXT COLLATE NOCASE, <code>nco:emailAddress:graph</code> INTEGER,</td>
</tr>
<tr>
<td><code>nco:FaxNumber</code></td>
<td>(ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
</tbody>
</table>
CREATE TABLE "nco:Gender" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IMAccount" (ID INTEGER NOT NULL PRIMARY KEY, "nco:imAccountAddress" INTEGER UNIQUE, "nco:imAccountAddress:graph" INTEGER, "nco:imAccountType" TEXT COLLATE NOCASE, "nco:imAccountType:graph" INTEGER, "nco:imDisplayName" TEXT COLLATE NOCASE, "nco:imDisplayName:graph" INTEGER, "nco:imEnabled" INTEGER, "nco:imEnabled:graph" INTEGER);
CREATE TABLE "nco:IMAccount_nco:hasIMContact" (ID INTEGER NOT NULL, "nco:hasIMContact" INTEGER NOT NULL, "nco:hasIMContact:graph" INTEGER);
CREATE TABLE "nco:IMAddress_nco:imCapability" (ID INTEGER NOT NULL, "nco:imCapability" INTEGER NOT NULL, "nco:imCapability:graph" INTEGER);
CREATE TABLE "nco:IMCapability" (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_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: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 "nco:VideoTelephoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:VoicePhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:voiceMail" INTEGER, "nco:voiceMail:graph" INTEGER);
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);
CREATE TABLE "nfo:BookmarkFolder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmark" (ID INTEGER NOT NULL, "nfo:containsBookmark" INTEGER NOT NULL, "nfo:containsBookmark:graph" INTEGER);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID INTEGER NOT NULL, "nfo:containsBookmarkFolder" INTEGER NOT NULL, "nfo:containsBookmarkFolder:graph" INTEGER);
CREATE TABLE "nfo:CompressionType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Cursor" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DataContainer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL, "nfo:originalLocation" TEXT COLLATE NOCASE, "nfo:deletionDate" INTEGER, "nfo:deletionDate:graph" INTEGER, "nfo:deletionDate:localDate" INTEGER, "nfo:deletionDate:localTime" INTEGER);
CREATE TABLE "nfo:Document" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:tableOfContents" TEXT COLLATE NOCASE, "nfo:tableOfContents:graph" INTEGER);
CREATE TABLE "nfo:EmbeddedFileDataObject" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:encoding" TEXT COLLATE NOCASE, "nfo:encoding:graph" INTEGER);
CREATE TABLE "nfo:Equipment" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:manufacturer" TEXT COLLATE NOCASE, "nfo:manufacturer:graph" INTEGER);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nfo:Executable</td>
<td>Represents executable files. This table includes columns for IDs, permissions, and file names.</td>
</tr>
<tr>
<td>nfo:FileDataObject</td>
<td>Tracks file data objects with details such as last access and creation times, sizes, and permissions.</td>
</tr>
<tr>
<td>nfo:FileHash</td>
<td>Stores unique hashes of files with their corresponding values, algorithms, and permissions.</td>
</tr>
<tr>
<td>nfo:Filesystem</td>
<td>Represents file systems in the system.</td>
</tr>
<tr>
<td>nfo:FilesystemImage</td>
<td>Image data related to file systems.</td>
</tr>
<tr>
<td>nfo:Folder</td>
<td>Represents folders in the system.</td>
</tr>
<tr>
<td>nfo:Font</td>
<td>Describes fonts used in the system, including family and foundry details.</td>
</tr>
<tr>
<td>nfo:HardDiskPartition</td>
<td>Tracks partitions of hard disks in the system.</td>
</tr>
<tr>
<td>nfo:HelpDocument</td>
<td>Represents help documents in the system.</td>
</tr>
<tr>
<td>nfo:HtmlDocument</td>
<td>Describes HTML documents in the system.</td>
</tr>
<tr>
<td>nfo:Icon</td>
<td>Represents icons in the system.</td>
</tr>
<tr>
<td>nfo:Image</td>
<td>Describes images in the system, including resolution and orientation details.</td>
</tr>
<tr>
<td>nfo:Image_nfo:depicts</td>
<td>Links images to other objects such as depictions.</td>
</tr>
<tr>
<td>nfo:Image_nfo:hasRegionOfInterest</td>
<td>Associates regions of interest with images.</td>
</tr>
<tr>
<td>nfo:Media</td>
<td>Represents media objects in the system, including count, duration, and codec information.</td>
</tr>
</tbody>
</table>

Additional notes:
- The tables use primary and foreign keys to ensure data integrity.
- The data types include integer, text, and graph columns for various types of information.
- The system appears to be designed for managing and tracking metadata associated with various types of files, images, and media.
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, "nfo:entryCounter" INTEGER, "nfo:entryCounter:graph" INTEGER, "nfo:listDuration" INTEGER, "nfo:listDuration:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:hasMediaFileListEntry" (ID INTEGER NOT NULL, "nfo:hasMediaFileListEntry" INTEGER NOT NULL, "nfo:hasMediaFileListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:mediaListEntry" (ID INTEGER NOT NULL, "nfo:mediaListEntry" INTEGER NOT NULL, "nfo:mediaListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaStream" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Media_mtp:hidden" (ID INTEGER NOT NULL, "mtp:hidden" INTEGER NOT NULL, "mtp:hidden:graph" INTEGER);
CREATE TABLE "nfo:Media_nmm:alternativeMedia" (ID INTEGER NOT NULL, "nmm:alternativeMedia" INTEGER NOT NULL, "nmm:alternativeMedia:graph" INTEGER);
CREATE TABLE "nfo:MindMap" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Note" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:OperatingSystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Orientation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:PaginatedTextDocument" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:pageCount" INTEGER, "nfo:pageCount:graph" INTEGER);
CREATE TABLE "nfo:PlainTextDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Presentation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RasterImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RegionOfInterest" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:regionOfInterestX" REAL, "nfo:regionOfInterestX:graph" INTEGER, "nfo:regionOfInterestY" REAL, "nfo:regionOfInterestY:graph" INTEGER, "nfo:regionOfInterestWidth" REAL, "nfo:regionOfInterestWidth:graph" INTEGER, "nfo:regionOfInterestHeight" REAL, "nfo:regionOfInterestHeight:graph" INTEGER, "nfo:regionOfInterestType" INTEGER, "nfo:roiRefersTo" INTEGER, "nfo:roiRefersTo:graph" INTEGER);
```
"nid3:title" TEXT COLLATE NOCASE, "nid3:title:graph" INTEGER,
"nid3:albumTitle" TEXT COLLATE NOCASE, "nid3:albumTitle:graph" INTEGER,
"nid3:contentType" TEXT COLLATE NOCASE,
"nid3:contentType:graph" INTEGER, "nid3:length" INTEGER,
"nid3:length:graph" INTEGER, "nid3:recordingYear" INTEGER,
"nid3:recordingYear:graph" INTEGER, "nid3:trackNumber" TEXT COLLATE NOCASE,
"nid3:trackNumber:graph" INTEGER, "nid3:partOfSet" TEXT COLLATE NOCASE,
"nid3:partOfSet:graph" INTEGER, "nid3:comments" TEXT COLLATE NOCASE,
"nid3:comments:graph" INTEGER);
CREATE TABLE "nid3:ID3Audio_nid3:leadArtist" (ID INTEGER NOT NULL,
"nid3:leadArtist" INTEGER NOT NULL, "nid3:leadArtist:graph" INTEGER);
CREATE TABLE "nie:DataObject" (ID INTEGER NOT NULL PRIMARY KEY,
"nie:url" TEXT COLLATE NOCASE UNIQUE, "nie:url:graph" INTEGER,
"nie:byteSize" INTEGER, "nie:byteSize:graph" INTEGER,
"nie:interpretedAs" INTEGER, "nie:interpretedAs:graph" INTEGER,
"nie:lastRefreshed" INTEGER, "nie:lastRefreshed:graph" INTEGER,
"nie:lastRefreshed:localDate" INTEGER, "nie:lastRefreshed:localTime" INTEGER,
"nie:created" INTEGER, "nie:created:graph" INTEGER,
"nie:belongsToContainer" INTEGER, "nfo:belongsToContainer:graph" INTEGER,
"nie:subject" TEXT COLLATE NOCASE, "nie:subject:graph" INTEGER,
"nie:mimeType" TEXT COLLATE NOCASE, "nie:mimeType:graph" INTEGER,
"nie:language" TEXT COLLATE NOCASE, "nie:language:graph" INTEGER,
"nie:plainTextContent" TEXT COLLATE NOCASE, "nie:plainTextContent:graph" INTEGER,
"nie:legal" TEXT COLLATE NOCASE, "nie:legal:graph" INTEGER,
"nie:generator" TEXT COLLATE NOCASE, "nie:generator:graph" INTEGER,
"nie:description" TEXT COLLATE NOCASE, "nie:description:graph" INTEGER,
"nie:disclaimer" TEXT COLLATE NOCASE, "nie:disclaimer:graph" INTEGER,
"nie:depends" INTEGER, "nie:depends:graph" INTEGER,
"nie:links" INTEGER, "nie:links:graph" INTEGER, "nie:copyright" TEXT COLLATE NOCASE,
"nie:copyright:graph" INTEGER, "nie:comment" TEXT COLLATE NOCASE,
"nie:comment:graph" INTEGER, "nie:isStoredAs" INTEGER,
"nie:isStoredAs:graph" INTEGER, "nie:version" TEXT COLLATE NOCASE,
"nie:version:graph" INTEGER, "nie:contentCreated" INTEGER,
"nie:contentCreated:graph" INTEGER, "nie:contentCreated:localDate"
INTEGER, "nie:contentCreated:localTime" INTEGER, "nie:contentAccessed"
```

CREATE TABLE "nmm:artistName" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:artistName" TEXT COLLATE NOCASE, "nmm:artistName: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:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:albumDiscAlbum" INTEGER, "nmm:albumDiscAlbum:graph" INTEGER, "nmm:musicCDIdentifier" TEXT COLLATE NOCASE, "nmm:musicCDIdentifier:graph" INTEGER, "nmm:setNumber" INTEGER, "nmm:setNumber:graph" INTEGER);
CREATE TABLE "nmm:MusicAlbum_nmm:albumArtist" (ID INTEGER NOT NULL, "nmm:albumArtist" INTEGER NOT NULL, "nmm:albumArtist: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);
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:isDeleted:graph" 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:communicationChannel1: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"
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 NOT NULL, "nmo:messageHeader:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:recipient" (ID INTEGER NOT NULL, "nmo:recipient" INTEGER NOT NULL, "nmo:recipient:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:references" (ID INTEGER NOT NULL, "nmo:references" INTEGER NOT NULL, "nmo:references:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:to" (ID INTEGER NOT NULL, "nmo:to" INTEGER NOT NULL, "nmo:to:graph" INTEGER);
CREATE TABLE "nmo:MimePart" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:charSet" TEXT COLLATE NOCASE, "nmo:charSet:graph" INTEGER, "nmo:contentId" TEXT COLLATE NOCASE, "nmo:contentId:graph" INTEGER, "nmo:contentTransferEncoding" TEXT COLLATE NOCASE, "nmo:contentTransferEncoding:graph" INTEGER, "nmo:contentDescription" TEXT COLLATE NOCASE, "nmo:contentDescription:graph" INTEGER);
CREATE TABLE "nmo:MimePart_nmo:mimeHeader" (ID INTEGER NOT NULL, "nmo:mimeHeader" INTEGER NOT NULL, "nmo:mimeHeader:graph" INTEGER);
CREATE TABLE "nmo:Multipart" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Multipart_nmo:partBoundary" (ID INTEGER NOT NULL, "nmo:partBoundary" TEXT NOT NULL, "nmo:partBoundary:graph" INTEGER);
CREATE TABLE "nmo:PermanentChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:PhoneMessageFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:phoneMessageFolderId" TEXT COLLATE NOCASE, "nmo:phoneMessageFolderId:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID INTEGER, "nmo:mustAnswerReportRead" INTEGER, "nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE NOCASE, "nmo:mmsId:graph" INTEGER);
CREATE TABLE "nmo:ContainsPhoneMessage" (ID INTEGER NOT NULL, "nmo:containsPhoneMessage:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID INTEGER NOT NULL, "nmo:containsPhoneMessageFolder" INTEGER NOT NULL, "nmo:containsPhoneMessageFolder:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessage_nmo:toVCard" (ID INTEGER NOT NULL, "nmo:toVCard" INTEGER NOT NULL, "nmo:toVCard:graph" INTEGER);
CREATE TABLE "nmo:ReportReadStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:SMSMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:TransientChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:VOIPCall" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nrl:InverseFunctionalProperty" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "osinfo:Installer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "poi:ObjectOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdf: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 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,
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);
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);
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CREATE TABLE "scal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:TransparencyValues" (ID INTEGER NOT NULL PRIMARY KEY);
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 TABLE "tracker:Volume" (ID INTEGER NOT NULL PRIMARY KEY, "tracker:isMounted" INTEGER, "tracker:isMounted:graph" INTEGER, "tracker:unmountDate" INTEGER, "tracker:unmountDate:graph" INTEGER);
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"tracker:UnmountDate:localDate" INTEGER,
"tracker:UnmountDate:localTime" INTEGER, "tracker:mountPoint" INTEGER,
"tracker:mountPoint:graph" INTEGER, "tracker:isRemovable" INTEGER,
"tracker:isRemovable:graph" INTEGER, "tracker:isOptical" INTEGER,
"tracker:isOptical:graph" INTEGER);
CREATE UNIQUE INDEX "mfo:FeedMessage_mfo:enclosureList_ID_ID" ON
"mfo:FeedMessage_mfo:enclosureList" (ID, "mfo:enclosureList");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbNorthWest_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbNorthWest" (ID, "mlo:bbNorthWest");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbSouthEast_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbSouthEast" (ID, "mlo:bbSouthEast");
CREATE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" ("mlo:asBoundingBox", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID" ON
"mlo:GeoLocation_mlo:asGeoPoint" (ID);
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"
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
CREATE UNIQUE INDEX "nco:Contact_nco:note" (ID, "nco:note") ON "nco:Contact_nco:note"; 
CREATE UNIQUE INDEX "nco:Contact_scal:anniversary_ID_ID" ON "nco:Contact_scal:anniversary" (ID, "scal:anniversary"); 
CREATE UNIQUE INDEX "nco:Contact_scal:birthday_ID_ID" ON "nco:Contact_scal:birthday" (ID, "scal:birthday"); 
CREATE UNIQUE INDEX "nco:IMAccount_nco:hasIMContact_ID_ID" ON "nco:IMAccount_nco:hasIMContact" (ID, "nco:hasIMContact"); 
CREATE UNIQUE INDEX "nco:IMAddress_nco:imCapability_ID_ID" ON "nco:IMAddress_nco:imCapability" (ID, "nco:imCapability"); 
CREATE UNIQUE INDEX "nco:PersonContact_nco:hasAffiliation_ID_ID" ON "nco:PersonContact_nco:hasAffiliation" (ID, "nco:hasAffiliation"); 
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:hasEmailAddress", 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:hasPostalAddress", 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");
"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"
("nmo:to", ID);
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
"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 "rdfs:Property_rdfs:subPropertyOf_ID_ID" ON
"rdfs: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_dc:relation_ID_ID" ON
"rdfs:Resource_dc:relation" (ID, "dc:relation");
CREATE UNIQUE INDEX "rdfs:Resource_dc:source_ID_ID" ON
"rdfs:Resource_dc:source" (ID, "dc:source");
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: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 "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, (SELECT "nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE
"nie:InformationElement_nao:hasProperty13","nao:hasProperty" AS "8_u", "nao:Property14","nao:propertyName" AS "9_u", "nao:Property14","nao:propertyValue" AS "10_u" FROM "nie:InformationElement_nao:hasProperty" AS "nie:InformationElement_nao:hasProperty13", "nao:Property" AS "nao:Property14" WHERE "1_u" = "nie:InformationElement_nao:hasProperty13","ID" AND "nie:InformationElement_nao:hasProperty13","nao:hasProperty" = "nao:Property14","ID" AND "9_u" IS NOT NULL AND "10_u" IS NOT NULL AND ("9_u" COLLATE NOCASE = ? COLLATE NOCASE))) FROM (SELECT "nco:PersonContact1","ID" AS "1_u" FROM "nco:PersonContact" AS "nco:PersonContact1") ORDER BY "1_u";

} */ Goto .*/

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

<p>SQLite itself is in the <a href="copyright.html">public domain</a> and can be used for any purpose. But TH3 is proprietary and requires a license.

Found in path(s):
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

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

procset Adobe_CoolType_Utility_MAKEOFCF 1.23 0
procset Adobe_CoolType_Utility_T42 1.0 0
procset Adobe_AGM_Image 1.0 0

Found in path(s):
* %%BeginResource
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<a href="copyright.html">public domain</a>. No claim of ownership is made
/* 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)  

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** Definitions of sqlite3_vfs objects for all locking methods
** plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/

Found in path(s):
* /opt/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-koQ6tDfi/sqlite-
src-3071700.zip-cosi-expand-archive-j5C3RGZK/sqlite-src-3071700/src/os_unix.c
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a>.</p>

Found in path(s):
* /opt/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-koQ6tDfi/sqlite-
doc-3071700.zip-cosi-expand-archive-rR0OwP1u/sqlite-doc-3071700/index.html
No license file was found, but licenses were detected in source scan.

)putinterval

Found in path(s):
* 1 index 0(BadFont
No license file was found, but licenses were detected in source scan.

is free to use SQLite from multiple threads, but it must make sure

Found in path(s):
* /opt/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-koQ6tDfi/sqlite-
doc-3071700.zip-cosi-expand-archive-rR0OwP1u/sqlite-doc-3071700/custombuild.html
No license file was found, but licenses were detected in source scan.

/*
** 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
** muting 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
** SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
**
** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</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
** SQLITE_CONFIG_SERIALIZED 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_GETMALLOC]] <dt>SQLITE_CONFIG_GETMALLOC</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 simulates memory allocation failure or
tracks memory usage, for example. </dd>

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^This option takes a 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:
** <ul>
**   <li> [sqlite3_memory_used()]
**   <li> [sqlite3_memory_highwater()]
**   <li> [sqlite3_software_heap_limit64()]
**   <li> [sqlite3_status()]
** </ul>
^Memory allocation statistics are enabled by default unless SQLite is
compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory
allocation statistics are disabled by default.
** </dd>

** [[SQLITE_CONFIG_SCRATCH]] <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 to 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 additional
scratch memory beyond what is provided by this configuration option, then
[ssqlite3_malloc()] will be used to obtain the memory needed.</dd>

** [[SQLITE_CONFIG_PAGECACHE]] <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.</dd>

** 
** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>
** <dd> ^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 SQLites 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.</dd>

** 
** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The argument specifies
** alternative low-level mutex routines to be used in place
** 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].</dd>

** 
** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^ ^
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example. ^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].</dd>
**
** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(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
** <i>default</i> 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. This object specifies the interface
** to a custom page cache implementation.)^  ^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</dt>
** <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
** passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or
** 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.

**

** [[SQLITE_CONFIG_COVERING_INDEX_SCAN]] <dt>SQLITE_CONFIG_COVERING_INDEX_SCAN
** <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
** <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
** <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
** <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
** [SQLITE_FCNTL_MMAP_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/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src-rpm-cosi-expand-archive-koQ6tDfi/sqlite-src-3071700.zip-cosi-expand-archive-j5C3RGZK/sqlite-src-3071700/src/sqlite.h.in
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 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 {
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 - 24990</td>
<td></td>
</tr>
<tr>
<td>2500 - 5499500</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 64996000</td>
<td></td>
</tr>
</tbody>
</table>

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.

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://expensesxms.enron.com/;

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.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 >>

');
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;

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!);

Here is the information on staffing and outside services. Call if you need anything else.

Jim

');

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.
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

');
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:

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 13th floor.

Thanks,
JMForney
3-7160);
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

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@mhs.org>, "Marymankarious (E-mail)"
<m 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
'):

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');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

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',

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
day 713-646-8272
cell 713-539-4760

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric
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


');
Who is General Brinks?

Fletch'

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@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, 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

');

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)
- 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>
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
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.schwartzentzburg@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
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 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
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 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);
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 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:

Coral
Jeff Whitnah 713-767-5374
Reliant
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;  No ancillary schedules awarded.
Variances detected.
Variances 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/litebytzttoolzprint.jpg';
    COMMIT;
} }
}

# Everything above just builds an interesting test database. The actual
# tests come after this comment.

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"
  }
} {}

# 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 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-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8}}

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"'
  }
} {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 fts2c-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 fts2c-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 fts2c-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 potential reuse/ licensing
Contract negotiations

```
do_test fts2c-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 fts2c-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 fts2c-4.6 {
execsql {
SELECT snippet(email) FROM email
WHERE email MATCH 'chris is here'
}
} {{chris.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 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.
Variances 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.

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.

application code is free to use these routines as well, if desired.

Found in path(s):
No license file was found, but licenses were detected in source scan.

<li>Sources are in the <a href="copyright.html">public domain</a>.
Rather than using fopen() to write XML or some proprietary format into
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a> and so many groups use SQLite

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

public domain. </li>

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

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

<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

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

FOR IMMEDIATE RELEASE:

SQLite Consortium Launches With Mozilla And Symbian As Charter Members

Ensures independent technical direction for world's most deployed SQL database engine
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.

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.

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.

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 SQL 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/.

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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

About Mozilla

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.

CONTACT INFORMATION:
Mozilla Corporation
Jessica Waight
Tel: +1.415.345.4754
Email: jwaight@outcastpr.com

About Symbian Limited

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.

CONTACT INFORMATION:
Symbian Global Press Office
Karen Hamblen
+44 207 154 1707
press@symbian.com

Found in path(s):
No license file was found, but licenses were detected in source scan.

<a href="http://en.wikipedia.org/wiki/Public_Domain">Public Domain</a> the public domain and originals of author, and all of those authors have public domain dedications. Even though SQLite is in the public domain and does not require the public domain. We make this dedication for the benefit of their contributions to the public domain. in this code to the public domain.

Found in path(s):
No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):
No license file was found, but licenses were detected in source scan.

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.
MMFauxFont.prc

Found in path(s):
* %%BeginFile
No license file was found, but licenses were detected in source scan.

%define name sqlite
%define version SQLITE_VERSION
%define release 1

Name: %{name}
Summary: SQLite is a C library that implements an embeddable SQL database engine
Version: %{version}
Release: %{release}
Source: %{name}-%{version}.tar.gz
Group: System/Libraries
URL: http://www.sqlite.org/
License: Public Domain
BuildRoot: %{_tmppath}/%{name}-%{version}-root

description
SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. Programs that link with the SQLite library can have SQL database access without running a separate RDBMS process. The distribution comes with a standalone command-line access program (sqlite) that can be used to administer an SQLite database and which serves as an example of how to use the SQLite library.

package -n %{name}-devel
Summary: Header files and libraries for developing apps which will use sqlite
Group: Development/C
Requires: %{name} = %{version}-%{release}

description -n %{name}-devel
The sqlite-devel package contains the header files and libraries needed to develop programs that use the SQLite database library.

prep
%setup -q -n %{name}

build
CFLAGS="-%optflags -DNDEBUG=1" CXXFLAGS="-%optflags -DNDEBUG=1" ./configure --prefix=%{_prefix}
make
make doc

%install
install -d $RPM_BUILD_ROOT/%{prefix}
install -d $RPM_BUILD_ROOT/%{prefix}/bin
install -d $RPM_BUILD_ROOT/%{prefix}/include
install -d $RPM_BUILD_ROOT/%{prefix}/lib
make install prefix=$RPM_BUILD_ROOT/%{prefix}

%post -p /sbin/ldconfig

%postun -p /sbin/ldconfig

%clean
rm -fr $RPM_BUILD_ROOT

%files
%defattr(-, root, root)
%{bindir}/*
%{libdir}/*.so*
%{libdir}/*.a
%{include}/*/%
%{libdir}/*.la

%files -n %{name}-devel
%defattr(-, root, root)
%{bindir}/pkgconfig/sqlite3.pc
%{libdir}/*.a
%{libdir}/*.la
%{include}/*%
%doc doc/

Found in path(s):
No license file was found, but licenses were detected in source scan.

application is free to use the same <a href="#sqlite3">database connection</a> or the

Found in path(s):
No license file was found, but licenses were detected in source scan.

Suppose the demo_data.boundary field holds some proprietary data description

Found in path(s):
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.
 */

Found in path(s):
* /opt/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-koQ6tDfi/sqlite-src-3071700/src/tclsqlite.c

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 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.
if capable !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;
    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
1   - 24990
2500 - 54995000
5500 - 64996000);
    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.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');
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');

-----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_d ate=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
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');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
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. ');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you:');
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o’rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website. ');
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap       10.000 / Enron ;
110.000 / HPL IFERC
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.’;
INSERT INTO email([from],[to],subject,body) VALUES('michelle.lokay@enron.com', 'jimboman@bigfoot.com', 'Egyptian Festival', '---------------------- Forwarded by Michelle Lokay/ET&S/Enron on 09/07/2000

Open Source Used In Cisco Unified Communication Manager 14SU2 4642
"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>, "Rany
      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');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

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
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"

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"

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);

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)
- 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.

');
INSERT INTO email([from],[to],subject, body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com, chris.germany@enron.com', 'Columbia Distribution''s Capacity Available for Release - Sum', '---------------------- Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04 AM ----------------------

agoeddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn"

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,

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.
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);
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnata@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.....

w ww.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.

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.

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!

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', '&lt;Concur Expense Document&gt; - 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

Reliant
Steve McGinn
713-207-4000

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoad.
   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
John;
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,

*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;
}
} {}
SELECT rowid FROM email WHERE email MATCH 'mark susan'
} {40}
do_test fts3ac-1.5 {
execsql {

SELECT rowid FROM email WHERE email MATCH 'susan mark'
} {40}
do_test fts3ac-1.6 {
execsql {

SELECT rowid FROM email WHERE email MATCH '"mark susan"
} {}
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}}
do_test fts3ac-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 word "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 {
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 fts3ac-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 fts3ac-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 fts3ac-4.2 {
execsql {
    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 {
  execsql {
    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
}}
do_test fts3ac-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}  {{EOL-Accenture <<<Deal>>> <<<Sheet>>> asset base for <<<potential>>> 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'
  }
}  {{chris.germany@enron.com" bet this is next
to about going here Christmas
eve"}}
do_test fts3ac-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
  }
}  {{Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement,
together
}}
do_test fts3ac-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
}  {{pete.<b>davis</b>@enron.com" 3; No <b>ancillary</b> schedules awarded detected in
Load schedule.
# 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>...
31 Keystone Receipts
15 <b>Questar</b>/b> Pipeline
40 Rockies<b>...</b>}}

do_test fts3ac-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@<b>enron</b>.<b>com</b>...
31 Keystone Receipts
15 <b>Questar</b>/b> Pipeline
40 Rockies<b>...</b>}}

# 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

Found in path(s):

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

License: Public Domain

Found in path(s):
No license file was found, but licenses were detected in source scan.

2.31 0
1.23 0
1.0 0

SQLite is in the public domain. This document describes what that means.

SQLite core and like the SQLite core are in the public domain. The TH3 test harness is a set of proprietary tests, written in

SQLite is high-quality, public domain software. The goal of members can also request their own private, proprietary extensions

/*
** 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):

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.
if capable !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 FTS1 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
abbess  abbe
abbey  abbei
abbeys  abbei
abominable  abomin
abbot  abbot
abbots  abbot
abbreviated  abbrevi
abed  ab
abel  abel
aberga  aberga
abergavenny  aberga
abet  abet
abetting  abet
abominable  abomin
abhor  abhor
abhor  abhorr
abhorred  abhor
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abhors  abhor
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about      about
above      abov
abr        abr
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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 {
exessql {
    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):
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):
No license file was found, but licenses were detected in source scan.

other proprietary or non-standard VFSes.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 ** 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.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

{string currentfile exch readstring pop}executeonly def

Found in path(s):
* /  
No license file was found, but licenses were detected in source scan.

application is free to use the same <a href="../c3ref/sqlite3.html">database connection</a> or the

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2001 September 15
#
# 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;
  }
} {1 {} 345 {} 67890}

# 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(t1,1,2) 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}
} {e s m e s}
do_test func-2.4 {
execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
} {e i a r i}
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('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
  execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on \u1234"
do_test func-3.5 {
  execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} "TF- har ont \u1234h"
do_test func-3.6 {
  execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "TF- har ont \u1234h"
do_test func-3.7 {
  execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "TF- har ont \u1234h"
do_test func-3.8 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.9 {
  execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.10 {
  execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} "TF- ter ain \u1234h"
do_test func-3.99 {
  execsql {DELETE FROM tbl1}
}
foreach word {this program is free software} {
  execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1}
} {this program is free software}

} ;# End \u1234!=u1234

# 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 {
exexecsql {SELECT coalesce(round(a,2),'nil') FROM t2} ] (1.0 nil 345.0 nil 67890.0)
do_test func-4.13 {
exexecsql {SELECT round(t1,2) FROM tbl1} ] (0.0 0.0 0.0 0.0 0.0)
do_test func-4.14 {
exexecsql {SELECT typeof(round(5.1,1));} ] (real)
do_test func-4.15 {
exexecsql {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 {
exexecsql {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 {
exexecsql {SELECT round($x1,1);} ] $x2
    }
do_test func-4.20 {
exexecsql {SELECT round(40223.4999999999999999);} ] (40223.0)
do_test func-4.21 {
execsql {SELECT round(40224.499999999999);} 
} {40224.0}
do_test func-4.22 {
execsql {SELECT round(40225.499999999999);} 
} {40225.0}
for {set i 1} {i<10} {incr i} {
 do_test func-4.23.$i {
 execsql {SELECT round(40223.4999999999,$i);} 
} {40223.5}
do_test func-4.24.$i {
 execsql {SELECT round(40224.4999999999,$i);} 
} {40224.5}
do_test func-4.25.$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(1234567890.5);} 
} {1234567890.5}
do_test func-4.31 {
 execsql {SELECT round(123456789012.5);} 
} {123456789012.5}
do_test func-4.32 {
 execsql {SELECT round(1234567890123.5);} 
} {1234567890123.5}
do_test func-4.33 {
 execsql {SELECT round(12345678901234.5);} 
} {12345678901234.5}
do_test func-4.34 {
 execsql {SELECT round(123456789012345.1);} 
} {123456789012345.1}
do_test func-4.35 {
 execsql {SELECT round(123456789012345.2);} 
} {123456789012345.2}
do_test func-4.36 {
  execsql {SELECT round(99999999999994.5);} {99999999999995.0}
do_test func-4.37 {
  execsql {SELECT round(9999999999999.55);} {9999999999999.6}
do_test func-4.38 {
  execsql {SELECT round(9999999999999.556);} {9999999999999.56}
}

# 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 {
    catchsql {SELECT upper(a,5) FROM t2} {1 {wrong number of arguments to function upper()}}
  }
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 {
  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'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t2;
    } {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
  }
}
ifcapable tempdb {
  do_test func-8.3 {
    execsql {
      CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
      SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
    } {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
  }
} else {
  do_test func-8.3 {
    execsql {
      CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
      SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
    }
  }
}

do_test func-8.4 {
  execsql {
    SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
  }
}

ifcapable compound {
  do_test func-8.5 {
    execsql {
      SELECT sum(x) FROM (SELECT '9223372036' || '854775807' AS x
                        UNION ALL SELECT -9223372036854775807)
    }
  }
  }
  {0}
}

ifcapable floatingpoint {
  do_test func-8.6 {
    execsql {
      SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775808' AS x
                                    UNION ALL SELECT -9223372036854775807)
    }
  }
  {integer}
}

ifcapable !floatingpoint {
  do_test func-8.7 {
    execsql {
      SELECT typeof(sum(x)) FROM (SELECT '9223372036' || '854775808' AS x
                                    UNION ALL SELECT -9223372036854775807)
    }
  }
  {real}
}

do_test func-8.8 {
  execsql {
    SELECT sum(x)>0.0 FROM (SELECT '9223372036' || '854775808' AS x
                                   UNION ALL SELECT -9223372036850000000)
  }
  {1}
}

ifcapable !floatingpoint {
  do_test func-8.8 {
    execsql {
      SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x
                                    UNION ALL SELECT -9223372036850000000)
    }
  }
  {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().
#
ifcapable bloblit {
do_test func-9.10 {
    execsql {SELECT hex(x'00112233445566778899aAbBcCdDeEfF')}
} {00112233445566778899AABBCCDDEEFF}
}
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {61006200630064003100320006700}
do_test func-9.12-utf16le {
    execsql {SELECT hex(replace('abcdefg','','12'))}
} {6100620063006400650066006700}
do_test func-9.13-utf16le {
    execsql {SELECT hex(replace('abcdefg','a',"aaa"))}
} {610061006100610061006100620063006400650066006700}
} elseif {$encoding=="UTF-8"} {
do_test func-9.11-utf8 {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {61006200630064003100320006700}
do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','','12'))}
} {6100620063006400650066006700}
do_test func-9.13-utf8 {
    execsql {SELECT hex(replace('abcdefg','a',"aaa"))}
} {610061006100610061006100620063006400650066006700}
} else {
do_test func-9.11-other {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {61006200630064003100320006700}
do_test func-9.12-other {
    execsql {SELECT hex(replace('abcdefg','','12'))}
} {6100620063006400650066006700}
do_test func-9.13-other {
    execsql {SELECT hex(replace('abcdefg','a',"aaa"))}
} {610061006100610061006100620063006400650066006700}
} else {
do_test func-9.11-unspecified {
    execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {61006200630064003100320006700}
do_test func-9.12-unspecified {
    execsql {SELECT hex(replace('abcdefg','','12'))}
} {6100620063006400650066006700}
do_test func-9.13-unspecified {
    execsql {SELECT hex(replace('abcdefg','a',"aaa"))}
} {610061006100610061006100620063006400650066006700}
}
execsql {SELECT hex(replace('abcdefg','ef','12'))} 
} {61626364313267}
do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','",'12'))} 
} {61626364656667}
do_test func-9.13-utf8 {
    execsql {SELECT hex(replace('abcdefg','a','aaa'))} 
} {6161616161626364656667}
}

# 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 testDestructor() takes one argument and returns a copy of the  
# text form of that argument. A destructor is associated with the return  
# value. Function testDestructor_count() returns the number of outstanding  
# destructor calls for values returned by testDestructor().
#
if {[db eval {PRAGMA encoding}]=="UTF-8"] {
  do_test func-12.1-utf8 {
    execsql {
      SELECT testDestructor('hello world'), testDestructor_count();
    }
  } {{hello world} 1}
} else {
  ifcapable {utf16} {
    do_test func-12.1-utf16 {
      execsql {
        SELECT testDestructor16('hello world'), testDestructor_count();
      }
    } {{hello world} 1}
  }
}
do_test func-12.2 {
  execsql {
    SELECT test_destructor_count();
  } {0}
}
do_test func-12.3 {
  execsql {
    SELECT test_destructor('hello')||' world'
  } {{hello world}}
}
do_test func-12.4 {
  execsql {
    SELECT test_destructor_count();
  } {0}
}
do_test func-12.5 {
  execsql {
    CREATE TABLE t4(x);
    INSERT INTO t4 VALUES(test_destructor('hello'));
    INSERT INTO t4 VALUES(test_destructor('world'));
    SELECT min(test_destructor(x)), max(test_destructor(x)) FROM t4;
  } {{hello world}}
}
do_test func-12.6 {
  execsql {
    SELECT test_destructor_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;
  }
}

do_test func-13.5 {
  execsql {
    SELECT test_auxdata('hello world', a) FROM t4;
  }
}

do_test func-13.6 {
  execsql {
    SELECT test_auxdata('hello'||'world', a) FROM t4;
  }
}

# Test that auxilary 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]
}

# Make sure that a function with a very long name is rejected

# Test that auxilary data is preserved between calls for SQL variables.
do_test func-14.1 {
  catch {
    db function [string repeat X 254] {return "hello"}
  }
}

# Make sure that a function with a very long name is rejected

catch {
    db function [string repeat X 256] [return "hello"]
}
} {1}

do_test func-15.1 {
catchsql {select test_error(NULL)}
} {1 {}}
do_test func-15.2 {
catchsql {select test_error('this is the error message')}  
} {1 {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}
if capable floatingpoint {
do_test func-18.2 {
 execsql {
   INSERT INTO t5 VALUES(0.0);
   SELECT sum(x) FROM t5;
 }
} {9902.0}
}

# 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
    }
} integer
ifcapable 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
}
ifcapable !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);
        }
# Integer overflow on abs()
#
if [{working_64bit_int}] {
  do_test func-18.31 {
    catchsql {
      SELECT abs(-9223372036854775807);
    }
  } {0 9223372036854775807}
}
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
# 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));
}
do_test func-21.6 {
  execsql {
    SELECT replace("This is the main test string", "main", "ALT");
  }
}

do_test func-21.7 {
  execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
  }
}

if capable tclvar {
  do_test func-21.9 {
    # Attempt to exploit a buffer-overflow that at one time existed
    # in the REPLACE function.
    set ::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]
  }
}

# Tests for the TRIM, LTRIM and RTRIM functions.
#
  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  zzzy','xyz');} } {{ hi }}
do_test func-22.11 {
execsql {SELECT ltrim('xyxzy  hi  zzzy','xyz');} } {{ hi zzzy}}
do_test func-22.12 {
execsql {SELECT rtrim('xyxzy  hi  zzzy','xyz');} } {{xyxzy  hi  zzzy}}
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'c280e1bfbff48fbfbf6869','x'6162e1bfbfc280'))} {F48FBFBF6869}
do_test func-22.15 {
execsql {SELECT hex(trim(x'6869c280e1bfbff48fbfbf61','x'6162e1bfbfc280f48fbfb'))} {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.
# ifcapable deprecated {
}
do_test func-23.1 {
sqlite3_create_aggregate db
execsql {
    SELECT legacy_count() FROM t6;
}
} {3}

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 program is free 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
}
} {thisprogramisfreesoftware}
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
}

# 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} {

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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
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.
#

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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.
#
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<=0xffffd} {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.

<html>
<title>SQLite Copyright Release Template</title>
<body bgcolor="white">
<h1 align="center">
Copyright Release for
Contributions To SQLite
</h1>

<p>SQLite is software that implements an embeddable SQL database engine. SQLite is available for free download from http://www.sqlite.org/.
The principal author and maintainer of SQLite has disclaimed all copyright interest in his contributions to SQLite and thus released his contributions into the public domain.
In order to keep the SQLite software unencumbered by copyright claims, the principal author asks others who may from time to time contribute changes and enhancements to likewise disclaim their own individual copyright interest.
</p>
Because the SQLite software found at http://www.sqlite.org/ is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software, under either the original name or under some new name, without any need to obtain permission, pay royalties, acknowledge the original source of the software, or in any other way compensate, identify, or notify the original authors. Nobody is in any way compelled to contribute their SQLite changes and enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.

For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website, http://www.sqlite.org/. Precompiled binaries are excluded from the definition of "SQLite software" in this document because the process of compiling the software may introduce information from outside sources which is not properly a part of SQLite.

The header comments on the SQLite source files exhort the reader to share freely and to never take more than one gives. In the spirit of that exhortation I make the following declarations:

I dedicate to the public domain any and all copyright interest in the SQLite software that was publicly available on the SQLite website (http://www.sqlite.org/) prior to the date of the signature below and any changes or enhancements to the SQLite software that I may cause to be published on that website in the future. I make this dedication for the benefit of the public at large and to the detriment of my heirs and successors. I intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to the SQLite software under copyright law.

To the best of my knowledge and belief, the changes and enhancements that
I have contributed to SQLite are either originally written by me or are derived from prior works which I have verified are also in the public domain and are not subject to claims of copyright by other parties.<p></p>

To the best of my knowledge and belief, no individual, business, organization, government, or other entity has any copyright interest in the SQLite software as it existed on the SQLite website as of the date on the signature line below.<p></p>

I agree never to publish any additional information to the SQLite website (by CVS, email, scp, FTP, or any other means) unless that information is an original work of authorship by me or is derived from prior published versions of SQLite.

I agree never to copy and paste code into the SQLite code base from other sources.

I agree never to publish on the SQLite website any information that would violate a law or breach a contract.<p></p>

Signature:  

Date:  

Name (printed):  

Found in path(s):

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

<a href="copyright.html">public domain</a> and is thus free for

Found in path(s):

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

)print dup( )cvs print

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* {cvx $error/errormessage get(Err

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

<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>

<p>WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and</p>

<p>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.

NOWN, 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.

2.1.10 Test Coverage
The SQLite Developers shall maintain the SQLite test suite such
that no less than 95% source code coverage is provided.

&lt;/p&gt;

<h4>2.1.11 Website</h4>
&lt;p&gt;The SQLite Developers shall maintain the SQLite website at 
&lt;a href="http://www.sqlite.org/"&gt;http://www.sqlite.org/&lt;/a&gt; 
in good working order and all SQLite source code shall 
be made freely available at such website.
&lt;/p&gt;

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
&lt;p&gt;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.
&lt;/p&gt;

<h4>2.2.2 Direction</h4>
&lt;p&gt;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.
&lt;/p&gt;

<h4>2.2.3 Oversight</h4>
&lt;p&gt;The SQLite Architect shall personally review all changes to 
the SQLite Source Code and take responsibility for the quality 
and correctness of those changes.
&lt;/p&gt;

<h4>2.2.4 Continuity</h4>
&lt;p&gt;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.
&lt;/p&gt;

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
&lt;p&gt;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.
&lt;/p&gt;
<h4>2.3.2 Responsible Party</h4><p>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.</p>

<h4>2.3.3 Multiple Developers</h4><p>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.</p>

<h4>2.3.4 Mentorship</h4><p>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.</p>

<h4>2.3.5 Audits</h4><p>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.</p>

<h4>2.3.6 Disaster Planning</h4><p>Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.</p>

<h4>2.3.7 Trademark</h4><p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the website.</p>
2.3.8 No Take-overs or Buy-outs
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.

2.3.9 New Consortium Members
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.

2.3.10 Adequate Staff
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.

2.3.11 Use Of Funds
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.

2.4 Responsibilities And Obligations Of Company

2.4.1 Funding
Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

2.4.2 Copyright Disclaimer
Company acknowledges that SQLite source code and documentation published on the SQLite 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.</p>

<h2>4.0 Confidentiality</h2>

<h3>4.1 Definition of Confidential Information</h3>

<p>“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,
oraly or by drawings or inspection of parts or equipment.</p>

<h3>4.2 Non-Use and Non-Disclosure.</h3>

<p>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.</p>

<h4>4.2.1 Disclosure Required by Law</h4>

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.

4.3 Return of Materials.

Upon the termination of this Agreement, or upon Company’s earlier request, Hwaci shall deliver to Company all of Company’s property or Confidential Information that Hwaci may have in Hwaci’s possession or control.

5.0 Intellectual Property

5.1 No Assignment

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.

5.2 Availability and Public Domain Dedication

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>

<p>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.</p>
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>

<p>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
<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>
<thead>
<tr>
<th>HWACI</th>
<th>COMPANY</th>
</tr>
</thead>
<tbody>
<tr>
<td>By:</td>
<td>By:</td>
</tr>
<tr>
<td>Print Name:</td>
<td>Print Name:</td>
</tr>
<tr>
<td>Title:</td>
<td>Title:</td>
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* /opt/cola/permits/1158140017_1634536187.7/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-koQ6tDfi/sqlite-
1.451 jaxen 1.1.2-3

1.451.1 Available under license:

/*
$Id: LICENSE.txt 1128 2006-02-05 21:49:04Z elharo $

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*/

1.452 d-bus 1.10.24-14.el7_8

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tools/dbus-cleanup-sockets.c and test/decode-gcov.c. Each source code
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v. 2.1

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
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<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

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<scm>
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  </developer>
  <developer>
    <url>https://github.com/mjpt777</url>
  </developer>
  <developer>
    <url>https://github.com/RichardWarburton</url>
  </developer>
  <developer>
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  </developer>
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<java.test.version>1.8</java.test.version>

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<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
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</properties>
</project>

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* /opt/cola/permits/1257262349_1642793356.2/0/jctools-core-2-1-1-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

1.456 commons-lang3 3.8.1

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1.457 kerberos 1.15.1 34.el7
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```
cmd/krb5/iprop/iprop.x
```
```
cmd/krb5/iprop/iprop_hdr.h
```
```
cmd/krb5/kadmin/server/ipropd_svc.c
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cmd/krb5/kproplog/kproplog.c
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cmd/krb5/slave/kpropd_rpc.c
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lib/gss_mechs/mech_krb5/et/kdb5_err.c
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lib/gss_mechs/mech_spnego/m mech/gssapiP_spnego.h
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lib/gss_mechs/mech_spnego/m mech/spnego_mech.c
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lib/krb5/kadm5/kadm_host_srv_names.c
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lib/krb5/kdb/kdb_convert.c
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lib/krb5/kdb/kdb_hdr.h
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lib/krb5/kdb/kdb_log.c
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lib/krb5/kdb/kdb_log.h
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lib/libgss/g_accept_sec_context.c
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lib/libgss/g_acquire_cred.c
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lib/libgss/g_canon_name.c
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lib/libgss/g_compare_name.c
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lib/libgss/g_context_time.c
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lib/libgss/g_delete_sec_context.c
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lib/libgss/g_dsp_name.c
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```
lib/libgss/g_dsp_status.c
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lib/libgss/g_dup_name.c
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lib/libgss/g_exp_sec_context.c
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lib/libgss/g_export_name.c
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lib/libgss/g_glue.c
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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
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/kproplg.c

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1.461 man-db 2.6.3 11.el7

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1.465 libjpeg 8b

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README for release 9c of 14-Jan-2018

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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.
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.

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.

REFERENCES
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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

(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 best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.


IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris,
France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2. JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011): Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from http://www.itu.int/rec/T-REC-T.871.


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.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.v9c.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsrc9c.zip.

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
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Thank to Thomas Richter and Daniel Lee for inviting me to the
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FILE FORMAT WARS
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The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG,
together with ITU-T SG16) currently promotes different formats containing
the name "JPEG" which is misleading because these formats are incompatible
with original DCT-based JPEG and are based on faulty technologies.
IJG therefore does not and will not support such momentary mistakes
(see REFERENCES).
There exist also distributions under the name "OpenJPEG" promoting such
kind of formats which is misleading because they don't support original
JPEG images.
We have no sympathy for the promotion of inferior formats. 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.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification. Furthermore, the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions. One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code. The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties.

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TO DO
=====

Version 9 is the second release of a new generation JPEG standard to overcome the limitations of the original JPEG specification, and is the first true source reference JPEG codec. More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

1.466 kerberos 1.15.1 37.el7_6
1.466.1 Available under license:

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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/mach/gssapiP_spnego.h
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lib/gss_mechs/mech_spnego/mech/spnego_mech.c
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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kadmin/server/ipropd_svc.c
lib/kdb/prop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.470 axis2-ant-plugin 1.7.9

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1.471 apache-log4j 1.2.8

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1.479 util-linux 2.23.2-63.el7
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Initialize empty image
f1c9645dcb14efddc7d8a322685f26eb 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
2d8e8dff51a88a045db233418dd73fbe 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
-------------------

Open Source Used In Cisco Unified Communication Manager 14SU2 5508
Create default BSD
2e1cee529cb59ec9341afe0443f196a1 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     0
d:   0    16064  16065  unused        0     0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551f9ac7112 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
   4096   20479  16384  unused        0     0     0
d:   0    16064  16065  unused        0     0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

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

BSD disklabel command (m for help):
0  unused           5  4.1BSD             9  4.4LFS           d  boot
1  swap             6  Eighth Edition  a  unknown          e  ADOS
2  Version 6        7  4.2BSD           b  HPFS             f  HFS
3  Version 7        8  MS-DOS            c  ISO-9660         10  AdvFS
4  System V

BSD disklabel command (m for help):

1.480 slf4j-jdk14 1.7.32
1.480.1 Available under license:
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 *
*/

Found in path(s):
* /opt/cola/permits/1198680824_1630400480.93/0/slf4j-jdk14-1-7-32-sources-jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1198680824_1630400480.93/0/slf4j-jdk14-1-7-32-sources-jar/org/slf4j/impl/JDK14LoggerFactory.java
1.481 jackson-jaxrs-base 2.9.9

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1.482 tiles-request-api 1.0.7

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an absolute waiver of all civil liability in connection with the
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@end enumerate

@end enumerate

@heading END OF TERMS AND CONDITIONS

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```
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```

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only
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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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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 @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.
For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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1.487 dhcp 4.2.5-77.el7

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from 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.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- $Id$ -->

<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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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
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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
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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
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1.492 expat 2.1.0-12.el7

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1.493 zlib 1.2.8

1.493.1 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).
*/

1.494 libdevmapper 1.02.164
1.494.1 Available under license :

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

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

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
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org.eclipse.jetty.toolchain:jetty-schemas

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1.499 make 3.82-23.el7

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

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

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.
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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

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

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

d) If a facility in the modified Library refers to a function or a
   table of data to be supplied by an application program that uses
   the facility, other than as an argument passed when the facility
   is invoked, then you must make a good faith effort to ensure that,
   in the event an application does not supply such function or
   table, the facility still operates, and performs whatever part of
   its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

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

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed 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.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

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END OF TERMS AND CONDITIONS
Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 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 Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, 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!

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Version 3, 29 June 2007

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When we speak of free software, we are referring to freedom, 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 them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

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


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

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

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

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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

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

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work’s users, your or third parties' legal rights to forbid circumvention of technological measures.

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

5. Conveying Modified Source Versions.

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

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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

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

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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

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

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
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1.500 gir1.2-gdkpixbuf-2.0 2.36.12

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/* CMU libsasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.5, April 19th, 2010

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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://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).
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features of PCRE have been removed. This library now supports only the
regular expression features required by the JavaScript language
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1.539 tcpdump 4.1.1

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1.540 sed 4.2.2

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

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for his work on the initial Linux DVB driver

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for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
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Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for his LIRC infrared handler

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for many bugfixes

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TechnoTrend/Hauppauge DEC driver firmware

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Andreas ‘randy’ Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
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for tuning/DiSEqC support for the DEC 3000-s

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for the IR code for the ttusb-dec driver

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for maintaining v4l/dvb inter-tree dependencies

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

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

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

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3. Are derivative works allowed?
Yes!

4. Can I change or add to the font(s)?
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5. Under what terms are derivative works allowed?

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Version 2.1, February 1999

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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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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or 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
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the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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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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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.

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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.)

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1.561 crda 3.18

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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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This is the official list of people who can contribute (and typically have contributed) code to the Go repository. The AUTHORS file lists the copyright holders; this file lists people. For example, Google employees are listed here but not in AUTHORS, because Google holds the copyright.

Names should be added to this file only after verifying that the individual or the individual's organization has agreed to the appropriate Contributor License Agreement, found here:

http://code.google.com/legal/individual-cla-v1.0.html

The agreement for individuals can be filled out on the web.

Names should be added to this file like so:

Individual's name <submission email address>
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An entry with multiple email addresses specifies that the first address should be used in the submit logs and that the other addresses should be recognized as the same person when interacting with Gerrit.

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

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

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

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

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

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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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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1.585 net-snmp 5.7.2

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Version 2.1, February 1999

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1.593 jackson-databind 2.12.1

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* Source: https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2

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* Source:
  https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations
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1.601 systemd 219-78.el7_9.3

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1.621 free-type 2.8 12.el7

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1.624 linux-kernel 3.4.110

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The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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

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for the nxt2004 frontend driver

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

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If such an object file uses only numerical parameters, data
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b) Use a suitable shared library mechanism for linking with the
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the user installs one, as long as the modified version is
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@page
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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

The "Corresponding Source" for a work in object code form means all
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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

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

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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  jar/org/springframework/beans/factory/access/el/SimpleSpringBeanELResolver.java
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  jar/org/springframework/beans/PropertyAccessorFactory.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java

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* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/propertyeditors/StringArrayPropertyEditor.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/PropertyEditorRegistrar.java
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* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
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  jar/org/springframework/beans/factory/config/RuntimeBeanNameReference.java
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  jar/org/springframework/beans/factory/parsing/ImportDefinition.java
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  jar/org/springframework/beans/factory/propertyeditors/StringTrimmerEditor.java
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jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
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1.664 libdaemon 0.14
1.664.1 Available under license:

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com) */
/* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk) */

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

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That's all there is to it!
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Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for the nxt2002 frontend driver

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

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

(If you think you should be in this list, but you are not, drop a
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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

------

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

MortBay

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

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

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

Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.675 colord 1.3.4 1.el7

1.676 alsa 1.1.8

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Metadata-Version: 1.1
Name: coverage
Version: 3.6b3
Summary: Code coverage measurement for Python
Home-page: http://nedbatchelder.com/code/coverage/3.6b3
Author: Ned Batchelder and others
Author-email: ned@nedbatchelder.com
License: BSD
Description: Coverage.py measures code coverage, typically during test execution. It uses the code analysis tools and tracing hooks provided in the Python standard library to determine which lines are executable, and which have been executed.

Coverage.py runs on Pythons 2.3 through 3.3, and PyPy 1.9.

Documentation is at `nedbatchelder.com <http://nedbatchelder.com/code/coverage/3.6b3>`_. Code repository and issue tracker are at `bitbucket.org <http://bitbucket.org/ned/coveragepy>`_.

New in 3.6: ``--fail-under``, and >20 bugs closed.

New in 3.5: Branch coverage exclusions, keyboard shortcuts in HTML report.

New in 3.4: Better control over source to measure, and unexecuted files can be reported.

New in 3.3: .coveragerc files.

New in 3.2: Branch coverage!
Keywords: code coverage testing
Platform: UNKNOWN
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
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Classifier: Operating System :: OS Independent
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 * Date: 5/15/2008
 * @projectDescription Advanced and extensible data dumping for Javascript.
 * @version 1.0.0
 * @author Ariel Flesler
 * @link {http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html}
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 * Javascript Diff Algorithm
 * By John Resig (http://ejohn.org/)
 * Modified by Chu Alan "sprite"
 *
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 *
 * More Info:
 * http://ejohn.org/projects/javascript-diff-algorithm/
 *
 * Usage: QUnit.diff(expected, actual)
 *
 * QUnit.diff("the quick brown fox jumped over", "the quick fox jumps over") == "the  quick <del>brown </del> fox <del>jumped </del><ins>jumps </ins> over"
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  jar/com/amazonaws/regions/AwsRegionProvider.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/SdkThreadLocals.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/http/timers/request/HttpRequestTimer.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/SdkHttpUtils.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/svg/SdkIOUtils.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/svg/SdkSSLMetricsSocket.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/retry/ClockSkewAdjuster.java

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jar/com/amazonaws/event/SyncProgressListener.java
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jar/com/amazonaws/event/SDKProgressPublisher.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
jar/com/amazonaws/auth/internal/SignerKey.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
jar/com/amazonaws/auth/ProcessCredentialsProvider.java
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jar/com/amazonaws/util/LengthCheckInputStream.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
jar/com/amazonaws/internal/Releasable.java
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jar/com/amazonaws/auth/profile/ProfilesConfigFile.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
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jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources.jar/com/amazonaws/auth/profile/ProfileProcessCredentialsProvider.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources.jar/com/amazonaws/auth/profile/securitytoken/STSProfileCredentialsServiceProvider.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources.jar/com/amazonaws/util/Platform.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources.jar/com/amazonaws/internal/DelegateSSLSocket.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources.jar/com/amazonaws/internal/DelegateSSLSocket.java

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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/Base32.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/EncodingSchemeEnum.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/AbortedException.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/EncodingScheme.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/Base64.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/Base16Codec.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/Base32Codec.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/internal/MetricsInputStream.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/SdkRuntime.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/regions/Region.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/ResetException.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/Base32Codec.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/internal/MetricsInputStream.java
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 * /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
jar/com/amazonaws/internal/InstanceMetadataServiceResourceFetcher.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/NameValuePair.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/retry/internal/AuthRetryParameters.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/monitoring/internal/AgentMonitoringListener.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/metrics/ServiceMetricType.java
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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/AmazonWebServiceRequest.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/transform/Marshaller.java
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* /opt/cola/permits/1004926444_1654022910.04326/0/jersey-multipart-1-19-4-sources-
  jar/com/sun/jersey/multipart/file/FileDataBodyPart.java
* /opt/cola/permits/1004926444_1654022910.04326/0/jersey-multipart-1-19-4-sources-
  jar/com/sun/jersey/multipart/impl/FormDataMultiPartDispatchProvider.java
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  jar/com/sun/jersey/multipart/FormDataBodyPart.java
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  jar/com/sun/jersey/multipart/MultiPartConfig.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
THREEDSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed "s/\$(\*\*)/\1.o $@ : /g" > $@; \n[ -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "s/\$(\*\*)/\1.o $@ : /g" > $@; \n[ -s $@ ] || rm -f $@’

## Versioned libraries rules

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

## End FreeBSD-specific setup

1.699 u-boot 2012.04

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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
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   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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   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
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Rev. July 25 2005
Java Servlet Specification ("Specification")
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# Jackson JSON processor

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

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1.713 bcel 2.7.2
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package org.apache.xalan;

/**  
 * Administrative class to keep track of the version number of  
 * the Xalan release.  
 * <P>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>  
 * <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  
     * <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd| <B>D</B>nn"]</CODE>.  
     *  
     * 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());
}

public static String getProduct() {
    return "Xalan";
}

public static String getImplementationLanguage() {
    return "Java";
}

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.
 */
open 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.
 */
open 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.
 */
open 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
 * search 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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Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xslt/compiler/XPathLexer.java
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*/

/*
* $Id: Version.src 468654 2006-10-28 07:09:23Z minchau $
*/
package org.apache.xml.serializer;

/**
* Administrative class to keep track of the version number of
* the Serializer release.
* <P>This class implements the upcoming standard of having
* org.apache.project-name.Version.getVersion() 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>"<B>Serializer</B> <B>Java</B> v.r[.dd|<B>D</B><NN>nn]"</CODE>.
*
* Futurework: have this read version info from jar manifest.
*
* @return String denoting our current version
*/
public static String getVersion()
{
    return getProduct() + " " + getImplementationLanguage() + " "
    + getMajorVersionNum() + "." + getReleaseVersionNum() + "".
    +( getDevelopmentVersionNum() > 0 ) ?
    ("D" + getDevelopmentVersionNum()) : ("" + getMaintenanceVersionNum()));
}

/**
 * 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
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

public static int getDevelopmentVersionNum()
{
    return @version.DEV@;
}
Each 'D' drops can contain functional enhancements as well as defect fixes. 'D' drops may not be as stable as the final releases.

```java
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/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.
/*

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*/
// Proprietary
/** The 'document-location()' id (Proprietary). */

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/FunctionTable.java

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Found in path(s):
* /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/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/xslt/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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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;

/**
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;
    _xslt = 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) {
    _xslt.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xslt.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xslt.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).

*/

```java
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;
    }
    else if (test instanceof Integer) {
        nodeType = ((Integer) test).intValue();
    }
    else {
        QName name = (QName)test;
        boolean setPriority = false;

        if (axis == Axis.NAMESPACE) {
            nodeType = (name.toString().equals("*") ? -1
                : _xslt.registerNamespacePrefix(name));
        } 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);
                }
                // Priority is set by hand if no other predicates exist
                setPriority = (predicates.size() == 0);  
                predicates.add(new Predicate(
                    new EqualityExpr(Operators.EQ,
                        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 (local.equals("*")) {

return (axis == Axis.ATTRIBUTE) ? NodeTestATTRIBUTE
: NodeTestELEMENT;
}
else if (local.equals("@*")) {
    return NodeTestATTRIBUTE;
}
}
}

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);
    return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
        : _xsltc.registerElement(name);
}

/public Source Used In Cisco Unified Communication Manager 14SU2 7890
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);
}

://

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QName;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;
terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;
non terminal QName QName, FunctionName, VariableName;
non terminal Integer AxisName, AxisSpecifier;
non terminal Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;
precedence left OR;
precedence left AND;
precedence nonassoc EQ, NE;
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;
precedence left DIV, MOD, MULT;
precedence left DOLLAR;
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
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.createElementStepPattern(Axis.CHILD, nt, null);
:}

| NodeTestPattern:nt Predicates:pp
{: 
RESULT = parser.createElementStepPattern(Axis.CHILD, nt, pp);
:}

| ProcessingInstructionPattern:pip
{: RESULT = pip; :}

| ProcessingInstructionPattern:pip Predicates:pp
{: RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); :}

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
{: 
RESULT = parser.createElementStepPattern(axis.intValue(), nt, null);
:}

| ChildOrAttributeAxisSpecifier:axis
NodeTestPattern:nt Predicates:pp
{: 
RESULT = parser.createElementStepPattern(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:ee
    { : RESULT = ee; : }
    
    | 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 '/.' 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 `.//step` -> `descendant-or-self::*//step`
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step left = new Step(Axis.DESCENDANTORSELF,
            DTM.ELEMENT_NODE, null);
    RESULT = new ParentLocationPath(left, right);
} else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand `rlp//step` -> `rlp/descendant-or-self::*//step`
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
            DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
} else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {  
    // Expand `rlp//step` -> `rlp/descendant-or-self::*//step`
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
            DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
} else {  
    // Expand `rlp//step` -> `rlp/descendant-or-self::*//step`
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
            DOM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, 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);}
<table>
<thead>
<tr>
<th>AxisSpecifier:axis NodeTest:ntest</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Step(axis.intValue(),</td>
</tr>
<tr>
<td>parser.findNodeType(axis.intValue(), ntest),</td>
</tr>
<tr>
<td>null);</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>AbbreviatedStep:abbrev</td>
</tr>
<tr>
<td>------------------------</td>
</tr>
<tr>
<td>: RESULT = abbrev: ;</td>
</tr>
</tbody>
</table>

AxisSpecifier ::= AxisName:an DCOLON |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = an: ;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ATSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.ATTRIBUTE); :</td>
</tr>
</tbody>
</table>

AxisName ::= ANCESTOR |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.ANCESTOR); :</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ANCESTORORSELF</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.ANCESTORORSELF); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.ATTRIBUTE); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHILD</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.CHILD); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESCENDANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.DESCENDANT); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DESCENDANTORSELF</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.DESCENDANTORSELF); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOLLOWING</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.FOLLOWING); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOLLOWINGSIBLING</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.FOLLOWINGSIBLING); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NAMESPACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.NAMESPACE); :</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PARENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = new Integer(Axis.PARENT); :</td>
</tr>
</tbody>
</table>

| PRECEDING |
| AbbreviatedStep ::= DOT
| : RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); |
| DDOT
| : RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); |

FilterExpr ::=  PrimaryExpr:primary
| : RESULT = primary; |
| PrimaryExpr:primary Predicates:pp
| : RESULT = new FilterExpr(primary, pp); |

PrimaryExpr ::= VariableReference:vr
| : RESULT = vr; |

| Literal:string
| : |
| /*
* If the string appears to have the syntax of a QName, store
* namespace info in the literal expression. This is used for
* element-available and function-available functions, among
* others. Also, the default namespace must be ignored.
*/
String namespace = null;
final int index = string.lastIndexOf(':');
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); |
| INT:num
| : 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
{ : RESULT = new RealExpr(num.doubleValue()); :}

| FunctionCall:fc
{ : RESULT = 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);
    }
};

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(Constants.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.getQNameIgnoreDefaultNs("mod");
   :}
| KEY |
|: RESULT = parser.getQNameIgnoreDefaultNs("key"); |

| ANCESTOR |
|: RESULT = parser.getQNameIgnoreDefaultNs("child"); |

| ANCESTORORSELF |
|: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); |

| ATTRIBUTE |
|: RESULT = parser.getQNameIgnoreDefaultNs("attribute"); |

| CHILD |
|: RESULT = parser.getQNameIgnoreDefaultNs("child"); |

| DESCENDANT |
|: RESULT = parser.getQNameIgnoreDefaultNs("deceendant"); |

| DESCENDANTORSELF |
|: RESULT = parser.getQNameIgnoreDefaultNs("deceendant-or-self"); |

| FOLLOWING |
|: RESULT = parser.getQNameIgnoreDefaultNs("following"); |

| FOLLOWINGSIBLING |
|: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); |

| NAMESPACE |
|: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); |

| PARENT |
|: RESULT = parser.getQNameIgnoreDefaultNs("parent"); |

| PRECEDING |
|: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); |

| PRECEDINGSIBLING |
|: RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); |

| SELF |
|: RESULT = parser.getQNameIgnoreDefaultNs("self"); |

| ID |
|: RESULT = parser.getQNameIgnoreDefaultNs("id"); |

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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*/

// 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/processor/TransformerFactoryImpl.java
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Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java
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*/

/**
 * Execute the proprietary document-location() function, which returns
 * a node set of documents.
 */

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
 * @author Morten Jorgensen
package org.apache.xalan.xsltc.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.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.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:
    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.WILDCARD, yytext());
    }
    return newSymbol(ss);
}
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.STAR);
}
return newSymbol(sym.MULT);
}

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
    %yylexthrow}
NCName=(\{Letter\}|"_"|\{NCNameStartChar\})\{ NCNameChar \}*

NCNameChar=(Letter)|(Digit)|"_"|\{CombiningChar\}|\{Extender\}|\{NCNameStartChar\}|\u00B7|\[\u0300-\u036F]|\[\u203F-\u2040]|\[\u0130-\u0136]

NCNameStartChar=\{\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u02FF\u0370-\u037D\u037F-\u1FFF\u200C-\u200D\u2070-\u218F\u2C00-\u2FEF\u3001-\uD7FF\uF900-\uFDCF\uFDF0-\uFFFD\} | \u005F | (\{HighSurrogate\} | \{LowSurrogate\} )

HighSurrogate=\u0D800-\uDBFF

LowSurrogate=\uDC00-\uDDFF

%%

"*"                      { 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.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\f\"()"  { return newSymbol(sym.TEXT); }  
"node()"                  { return newSymbol(sym.NODE); }  
"node"+\[\\n\\r\f"()"  { return newSymbol(sym.NODE); }  
"comment()"              { return newSymbol(sym.COMMENT); }  
"comment"+\[\\n\\r\f"()"  { return newSymbol(sym.COMMENT); }  
"processing-instruction" { return disambiguateAxisOrFunction(sym.PIPARAM); }  
"processing-instruction()" { return newSymbol(sym.PI); }  

---

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"processing-instruction"+[{\t\n\f}]" { return newSymbol(sym.PI); }
"or" { return disambiguateOperator(sym.OR); }
"and" { return disambiguateOperator(sym.AND); }
"child" { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute" { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
"ancestor" { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self" { return disambiguateAxisOrFunction(sym.ANCESTORORSelf); }
"descendant" { return disambiguateAxisOrFunction(sym.DESCENDANT); }
"descendant-or-self" { return disambiguateAxisOrFunction(sym.DESCENDANTORSelf); }
"following" { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling" { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
"namespace" { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent" { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding" { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling" { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self" { return disambiguateAxisOrFunction(sym.SELF); }
"l" { return newSymbol(sym.LBRACK); }
"r" { return newSymbol(sym.RBRACK); }
"(" { return newSymbol(sym.LPAREN); }
")" { return newSymbol(sym.RPAREN); }
"<PATTERN>" { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>" { initialize(); return new Symbol(sym.EXPRESSION); }
\"[^\"]*\" { return newSymbol(sym.Literal, yytext().substring(1, yytext().length() - 1)); }
\"[^\"]\" { return newSymbol(sym.Literal, yytext().substring(1, yytext().length() - 1)); }
{Digit}+ { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+("{Digit}*)? { return newSymbol(sym.REAL, new Double(yytext())); }
"."{Digit}+ { return newSymbol(sym.REAL, new Double(yytext())); }
"." { return newSymbol(sym.DOT); }
({NCName}":\")?({NCName} { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?"*" { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?"@"*" { return newSymbol(sym.QNAME, yytext()); }
[ \t\n\f] { /* ignore white space. */ }
.
{ throw new Exception(yytext()); }

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/xpath.lex
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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.
 * &lt;P&gt;See also: org/apache/xalan/res/XSLTInfo.properties&lt;/P&gt;
 * @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.

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> &lt;B&gt;Language</B>&lt;/B&gt;
 * v.r[.dd| <B>D</B>nn]]"/CODE>.
 * &lt;/P&gt;Semantics of the version string are identical to the Xerces project.&lt;/P&gt;
 */
public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" 
 +VERSION+"."+RELEASE+"." 
 +(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT) 
 : (""+MAINTENANCE));
}

Found in path(s):
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xalan/transformer/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/domapi/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/package.html
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*/

// Proprietary, built in functions
/** current function string (Proprietary). */

Found in path(s):
* /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/xsltc/compiler/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/dom/KeyIndex.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/NodeSetType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.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/util/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/axes/WalkingIteratorSorted.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemWhen.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemForEach.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/patterns/ContextMatchStepPattern.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/res/XPATHErrorResources_zh.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncBoolean.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/NodeSetType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/axes/WalkingIteratorSorted.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemWhen.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/xslt/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/axes/WalkingIteratorSorted.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemWhen.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/xpath/objects/XNodeSet.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemText.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessage.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/SecuritySupport.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncList.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/Function3Args.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/URI.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/XPath.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/RealType.java
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1.714 cxf-rt-transports-http-jetty 3.5.0

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1.715 curl 7.26.0

1.715.1 Available under license:

License Mixing
================

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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## libcurl

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

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Streaming API for XML (JSR-173) Specification
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<li>Julien Pasquier <julienpasquier@064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp <pknopp@064mtg.de> - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozd <gwozdziu@064rpm.pl> - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski <bmalkow@064tigase.org> - initial implementation of VMPC cipher, VMPCRandGenerator, VMPCMac.</li>
<li>Tal Yacobi <tal.yacobi@064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi <massimiliano.ziccardi@064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko <andrey.a.pavlenko@064gmail.com> - security manager patch for PKCS1Encoding property check.</li>
<li>Mike StJohns <mstjohns@064comcast.net> - updates to KeyPurposeId.</li>
<li>J Ross Nicoll <jrn@064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson <mavrickzn@064yahoo.com> - patch to construtor for CRMF CertSequence.</li>
<li>Gabriele Contini <gcontini@064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude <roelof.naude@064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck <speck@064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay <lemaymd@064lemaymd.com> - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre <ale@064FreeBSD.org> - 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 <michael@064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Ion Larrañaga <ilarra@s21sec.com> fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns <bob.kerns@positscience.com> fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer <stefan.meyer@ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
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<li>Ivo Matheis <i.mathes&#064seeburger.de> fix to padding verification in ISO-9796-1.</li>
<li>Marcos Sandrini <nessche&#064gmail.com> patch to add IV to ISO9797Alg3Mac.</li>
<li>Alfonso Massa <alfilmalf&#064hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Giaco Boccardo <gboccardo&#064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu <arnis&#0644ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociiski <J.Sikocinski&#064gdzie.pl> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <jhudolejev&#064gmail.com> JavaDoc fix to CMSignedDataParser.</li>
<li>Liane Velten <liane.velten&#064hjp-consulting.com> fine tuning of code for DHP parameters validation.</li>
<li>Atanas Krachev <akrachev&#064gmail.com> added support for revocation signatures in OpenPGP.</li>
<li>Tim Bultu <tbultu&#064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <bernd&#0644ut.ee> Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak <stein.inge.morisbak&#0644bekk.no> Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid <andreas.schmid&#0644tgtech.com> Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz <phil.steitz&#064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Petar Petrov <p.petrov&#064bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick <daniel.f.nwr&#064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson <Andy.Neilson&#064quest.com>a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw <xiao.xj&#064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriiseh <Eleriiseh&#064wpecgltybVixRl6Y7Vzl2Lvd2EUVW99v3yNV3IWROG8.fms> speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root <kenny&#064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject. BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes <maarten.bodewes&#064gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Phil Clay <phil.b&#064yahoo.com> Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom <bdc&#0644bc.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lidkeacone Borell <samuel&#064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinders.</li>
<li>Sergio Demian Lerner <sergiolerner&#064certimix.com> pointing out isInfinity issue in ECDSASigner signature verification.
Tim Whittington <Tim.Whittington@orionhealth.com> patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad@primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin@xrm.ru> patch for override of TSP SignerInfo attributes.

Sergey Tiunov <tiunov@064gmail.com> initial cut of DVCS classes.

Damian Kolasa <fattredyy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev@064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.

Andie Reci <daniele.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.

Matt Aarnio <matti.aarnio@mathics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.

Eric Mueller <eric.mueller@064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts <Mathias.Herberts@jaebo.de> fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov <daniil.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.

Danielle Grasso <daniele.grasso086@064gmail.com> contributions to final Key calculation code for SRP6.

Andrey Utkin <cindrhc@064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB <axel-vdb@064riseup.net> initial implementation of Shacal2.

Roberto Tyley <> further work on completing gradle build.

Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.

Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.

Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.

Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEEngine, IES MAC length check bug fix.

Andreas Reiter <andreas.reiter@iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller <kieran.miller@iaik.tugraz.at> initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli <ehli@064arago.de> Additional support for BSI plain ECDSA in the provider.

Daniel Heldt <Daniel.Heldt@064cryptovision.com> Initial support for encodable state message digests.

Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.
Maurice Aarts <aarts@064riscure.com> updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.

KB Sriram <mail_kb@064yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.


Lijun Liao <ljun.liao@064gmail.com> added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich <tobias.wich@064ecec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens <hauke@064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman <dmz@064galois.com> Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitza <lj.kapitza@064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund <johan@primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.

nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch <axel-vdb@064riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2Digest.

Derek Atkins <derek@064ihtfp.com> Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky <peto@064halicky.sk> Correction to notification/error message handling in SignedMailValidator.


Thomas Belot <thomas.belot+BC@064gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.

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

Bj&ouml;rn Kautler <https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).

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

Michael <MSKnete@064web.de> initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner <tobias.wagner@064n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro <sgiro@064google.com> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette <https://github.com/bschuette> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.

Leonard Dallot <https://github.com/dallotTazTag> Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen <j.w.janssen+bouncycastle@064ixtreme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.

Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.

Kai Kramer <kai.kramer@064gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.
<li>Benoit Charles <benoit.charles&#064opentrust.com> Fix for IES data length check on decryption.</li>
<li>Niko <nfink95&#064gmail.com> fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgranhttps://github.com/akwizgran> Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff <Matthias.Edelhoff&#064cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Łukasz Deputat <lukasz.deputat&#064gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig <justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
<li>Andrzej Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Lukasz Deputat <lukasz.deputat&#064gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
<li>Slawomir Jaranowski <https://github.com/slawekjaranowski> Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev <https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton <wglanton77&#064gmail.com> Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 <https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Naegle <jnaegle@grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>Andrew Bonventre <https://github.com/andybons> NullPointerException patch for WNafUtil.</li>
<li>The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.</li>
<li>The Intel Security Team <https://github.com/google/wycheproof> analysis detecting the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.</li>
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That's all there is to it!
1.733 ilbc unknown

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1.734 stlport 5.2.1

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#ifndef _STLP_CLIMITS
#define _STLP_CLIMITS

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x108
#include <stl/prolog.h>
#endif

#if defined (__SUNPRO_CC) && ((__SUNPRO_CC == 0x500) && (__SUNPRO_CC_COMPAT > 4))
#include <usr/include/limits.h>
#elif defined (_STLP_USE_NEW_C_HEADERS)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <climits>
#else
#include _STLP_NATIVE_CPP_C_HEADER(climits)
#endif
#else
#if defined (__BORLANDC__) && defined (__SUNPRO_CC) && ((__SUNPRO_CC_COMPAT > 4))
#include <usr/include/limits.h>
#else
#include _STLP_NATIVE_C_HEADER(limits.h)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x108)
#include <stl/epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CLIMITS */

// Local Variables:
// mode:C++
// End:

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* */

#ifndef __STLP_VECTOR

#ifndef __STLP_OUTERMOST_HEADER_ID
  # define __STLP_OUTERMOST_HEADER_ID 0x77
  # include <stl/_prolog.h>
  # define __STLP_VECTOR
#endif

#if (__STLP_OUTERMOST_HEADER_ID == 0x77)
  # ifndef __STLP_INTERNAL_ALGOBASE_H
    # include <stl/_algobase.h>
  # endif

  # ifndef __STLP_INTERNAL_VECTOR_H
    # include <stl/_vector.h>
  # endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID != 0x77) || defined (__STLP_IMPORT_VENDOR_STD)
  # if defined (__STLP_HAS_INCLUDE_NEXT)
    # include_next <vector>
  # else
    # include __STLP_NATIVE_HEADER(vector)
#endif
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 * */

#ifndef _STLP_CWCHAR
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x120
#define _STLP_CWCHAR
#include <stl/_prolog.h>
#endif
#endif /* _STLP_CWCHAR */

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x120
#define _STLP_INTERNAL_CWCHAR
#include <stl/_cwchar.h>
#endif
#endif /* _STLP_OUTERMOST_HEADER_ID */

#ifndef _STLP_IMPORTED_VENDOR_STD
#define _STLP_IMPORTED_VENDOR_STD
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x120
#include <stl/_internal_cwchar.h>
#endif
#endif /* _STLP_IMPORTED_VENDOR_STD */

if (_STLP_OUTERMOST_HEADER_ID == 0x77) 
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_VECTOR */

// Local Variables:
// mode:C++
// End:

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 * */
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <cwchar>
# else
#   include _STLP_NATIVE_CPP_C_HEADER(cwchar)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CWCHAR */

// Local Variables:
// mode:C++
// End:

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 */

#ifndef _STLP_NUMERIC
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x49
#include <stl/_prolog.h>
#define _STLP_NUMERIC
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x49)
#ifndef _STLP_INTERNAL_NUMERIC_H
#include <stl/_numeric.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x49) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <numeric>
#else
#include _STLP_NATIVE_HEADER(numeric)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x49)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/bitset.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bitset.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bitset.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale_win32/c_locale_win32.c
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_rope.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/char_traits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stdexcept_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/hash_map
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/hash_set
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_fstream.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/functional
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stdexcept_base.c
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#ifndef _STLP_STREAMBUF

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1066
# include <stl/_prolog.h>
# define _STLP_STREAMBUF
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066) && 
 !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_STREAMBUF
# include <stl/_streambuf.h>
# endif
#ifndef

#if (_STLP_OUTERMOST_HEADER_ID != 0x1066) || defined (_STLP_IMPORT_VENDOR_STD)
    #if defined (_STLP_HAS_INCLUDE_NEXT)
        #include_next <streambuf>
    #else
        #include _STLP_NATIVE_HEADER(streambuf)
    endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066)
    #include <stl/_epilog.h>
    #undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_STREAMBUF */

// Local Variables:
// mode:C++
// End:

// test_construct.h

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*/
#endif

#include <string>
#endif
#include <string.h>
#include <string.h>
#endif

#ifdef /* _STLP_STRING */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/string
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/*
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* Derived from original <misc/type_traits.h> of 'complement' project
* [http://complement.sourceforge.net]
* to make it close to JTC1/SC22/WG21 C++ 0x working draft
* [http://www.open-std.org/Jtc1/sc22/wg21/docs/papers/2008/n2521.pdf]
* /

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/type_traits
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ThrowCompare.h

Interface for the ThrowCompare class

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TestClass.cpp

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*
*
#ifndef _STLP_ITERATOR

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x38
#include <stl/_prolog.h>
#define _STLP_ITERATOR
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
#elif defined(_STLP_INTERNAL_ITERATOR_H)
#include <stl/_iterator.h>
#endif

#ifndef _STLP_INTERNAL_STREAM_ITERATOR_H
#include <stl/_stream_iterator.h>
#endif
#endif
#endif /* _STLP_ITERATOR */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iterator
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_valarray.cpp
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* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iterator.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iterator_base.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_function.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_function_base.h
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#ifndef _STLP_CSTDIO
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x15
#include <stl/_prolog.h>
#endif

#ifndef _STLP_DONT_POP_HEADER_ID
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CSTDIO
#endif

#ifndef _STLP_INTERNAL_CSTDIO
#include <stl/_cstdio.h>
#endif

#ifndef _STLP_NATIVE_CPP_C_HEADER(cstdio)
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x15
#endif

#ifndef _STLP_DONT_POP_HEADER_ID
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#ifndef _STLP_DONT_POP_HEADER_ID
#include <stl/_epilog.h>
#undef _STLP_DONT_POP_HEADER_ID
#undef _STLP_CSTDIO
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x15
#endif

#ifndef _STLP_DONT_POP_HEADER_ID
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#undef _STLP_DONT_POP_HEADER_ID
#endif

#endif
Found in path(s):
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#ifndef _STLP_DEQUE
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x22
# include <stl/_prolog.h>
# define _STLP_DEQUE
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x22)
# ifndef _STLP_INTERNAL_DEQUE_H
# include <stl/_deque.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x22) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <deque>
# else
# include _STLP_NATIVE_HEADER(deque)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x22)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_DEQUE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_windows.h

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#ifndef _STLP_ISTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1036
#include <stl/_prolog.h>
#define _STLP_ISTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036) &&
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_ISTREAM
# include <stl/_istream.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1036) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <istream>
# else
# include _STLP_NATIVE_HEADER(istream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_ISTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/istream
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/***********************************************************************************
* test_hash_map.cpp
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_map.cpp
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_fun.h

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 *
 */

#endif_STLP_CSETJMP
```c
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x111
#define _STLP_CSETJMP
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111)
  ifndef _STLP_INTERNAL_CSETJMP
  include <stl/_csetjmp.h>
  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x111) || defined (_STLP_IMPORT_VENDOR_STD)
  if defined (_STLP_HAS_INCLUDE_NEXT)
    include_next <csetjmp>
  else
    include _STLP_NATIVE_CPP_C_HEADER(csetjmp)
  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111)
  include <stl/_epilog.h>
  undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSETJMP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
  * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/csetjmp
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 */
```
/*
 */

ifndef _STLP_CWCTYPE

ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x121
# define _STLP_CWCTYPE
# include <stl/prolog.h>
#endif

if (_STLP_OUTERMOST_HEADER_ID == 0x121)
# ifndef _STLP_INTERNAL_CWCTYPE
# include <stl/cwctype.h>
# endif
#endif

if (_STLP_OUTERMOST_HEADER_ID != 0x121) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cwctype>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cwctype)
# endif
#endif

if (_STLP_OUTERMOST_HEADER_ID == 0x121)
# include <stl/epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CWCTYPE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cwctype
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random_number.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/random_number.cpp
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 *
 */

#ifndef _STLP_CSTRING
#ifndef _STLP_OUTERMOST_HEADER_ID
#  define _STLP_OUTERMOST_HEADER_ID 0x117
#  define _STLP_CSTRING
#  include <stl/_prolog.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
#  ifndef _STLP_INTERNAL_CSTRING
#    include <stl/_cstring.h>
#  endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x117) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <cstring>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(cstring)
#  endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
    # include <stl/_epilog.h>
    # undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CSTRING */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstring
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TestClass.h

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SUMMARY: TestClass simulates a class that uses resources. It is designed to
cause exceptions when it is constructed or copied.

***********************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/TestClass.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_range_errors.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_range_errors.c
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 *
*/

#ifndef _STLP_SET
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x55
#include <stl/_prolog.h>
#define _STLP_SET
#endif
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_INTERNAL_SET_H
#include <stl/set.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x55) || defined (_STLP_IMPORT_VENDOR_STD)
  # if defined (_STLP_HAS_INCLUDE_NEXT)
    #include_next <set>
  # else
    #include _STLP_NATIVE_HEADER(set)
  # endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
  include <stl/_epilog.h>
  #undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_SET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/set

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 */

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/file_reporter.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/test_main.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_mini.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_proxy.h
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 */

#ifndef _STLP_QUEUE

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x53
#include <stl/_prolog.h>
define _STLP_QUEUE
#endif

#ifndef _STLP_INTERNAL_QUEUE_H
#include <stl/_queue.h>
define _STLP_QUEUE
#endif

#endif

#define _STLP_OUTERMOST_HEADER_ID
#define _STLP_IMPORT_VENDOR_STD
#define _STLP_HAS_INCLUDE_NEXT
#include <queue>
define _STLP_NATIVE_HEADER(queue)
endif
endif

#ifndef _STLP_QUEUE

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x53
if define _STLP_INTERNAL_QUEUE_H
#include <stl/_queue.h>
define _STLP_QUEUE
endif
endif

#endif

#ifndef _STLP_QUEUE

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x53
if define _STLP_IMPORT_VENDOR_STD
#define _STLP_HAS_INCLUDE_NEXT
#include <queue>
define _STLP_NATIVE_HEADER(queue)
define _STLP_QUEUE
endif
#endif
endif
endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#if !_STLP_QUEUE
#endif /* _STLP_QUEUE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 *
 * Modified CRP 7/10/00 for improved conformance / efficiency on insert_unique /
 * insert_equal with valid hint -- efficiency is improved all around, and it is
 * should now be standard conforming for complexity on insert point immediately
 * after hint (amortized constant time).
 *
 */

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/h.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/mem.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_typeinfo.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/errno.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/limits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/assert.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/new.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/time.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_csetjmp.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_cwchar.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/exception.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_cstddef.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_cmath.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_cstring.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/_cwctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/exception.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/port/stdio.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/ostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/math.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/stdarg.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/bstring.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/wchar.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/ctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/stl/_csignal.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stlport/setjmp.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stl/config/stl_confix.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stl/port/istream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stl/port/cctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stl/port/ios.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/StLport-5.2.1/stl/port/wctype.h

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  test_algo.cpp

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  * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_fwd.h
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*/

#ifndef _STLP_CISO646
#define _STLP_CISO646
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x107
#include <stl/_prolog.h>
#endif
#endif

#ifndef _STLP_CISO646
#define _STLP_CISO646
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x107
#include <stl/_prolog.h>
#endif
#endif

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#if !defined(_STLP_WCE_EVC3) && !defined (__BORLANDC__)
# if defined (_STLP_USE_NEW_C_HEADERS)
#   if defined (_STLP_HAS_INCLUDE_NEXT)
#     include_next <ciso646>
#   else
#     include _STLP_NATIVE_CPP_C_HEADER(ciso646)
#   endif
# else
#   include <iso646.h>
# endif /* _STLP_USE_NEW_C_HEADERS */
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x107 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STL_CISO646 */

// Local Variables:
// mode:C++
// End:

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#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x103
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x103) && ! defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID

Found in path(s):
  * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cassert
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 */
// This header exists solely for portability. Normally it just includes
// the native header <exception>.

#ifndef _STLP_EXCEPTION

#if !_defined(_STLP_OUTERMOST_HEADER_ID)
  # define _STLP_OUTERMOST_HEADER_ID 0x423
  # include <stl/_prolog.h>
#else (_STLP_OUTERMOST_HEADER_ID == 0x423)
  # define _STLP_DONT_POP_HEADER_ID
  # define _STLP_EXCEPTION
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x423) && !_defined(_STLP_DONT_POP_HEADER_ID)
  # ifndef _STLP_INTERNAL_EXCEPTION
    # include <stl/_exception.h>
  # endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x423) || _defined(_STLP_DONT_POP_HEADER_ID) || _defined(_STLP_IMPORT_VENDOR_STD)
/* If we are here it means that we are in an include called
 * from the native lib which means that we can simply forward this
 * call to the native exception header:
 */
#if _defined(_STLP_HAS_INCLUDE_NEXT)
  # include_next <exception>
#else
  # if _defined(__DMC__) && (_STLP_OUTERMOST_HEADER_ID == 0x874)
    // Workaround to DMC hardcoded typeinfo.h inclusion.
    # include <../include/exception>
  # else
    # include _STLP_NATIVE_CPP_RUNTIME_HEADER(exception)
  # endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x423)
  # if !_defined(_STLP_DONT_POP_HEADER_ID)
    # include <stl/_epilog.h>
    # undef _STLP_OUTERMOST_HEADER_ID
  # else
    # undef _STLP_DONT_POP_HEADER_ID
  # endif
#endif /* _STLP_EXCEPTION */
This directory contains the STLport-5.0 release.

What's inside:

- README - this file
- INSTALL - installation instructions

- bin - installation directory for STLport unit tests;
  it may contain more subdirs, if you use
  crosscompilation
- build/lib - build directory for STLport library (if you use
  STLport iostreams and/or locale only)
- build/test/unit - build directory for regression (unit) tests
- build/test/eh - build directory for exception handling tests
- stlport - main STLport include directory
- src - source for iostreams implementation and other parts
  that aren't pure template code
- lib - installation directory for STLport library (if you
  use STLport iostreams and/or locale only);
  it may contain more subdirs, if you use
  crosscompilation
- test/unit - unit (regression) tests
- test/eh - exception handling test using STLport iostreams
- etc - miscellaneous files (ChangeLog, TODO, scripts, etc.)

GETTING STLPORT

To download the latest version of STLport, please be sure to visit
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*****************************************************************************

test_bit_vector.cpp

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 */

#ifndef _STLP_SLIST
#define _STLP_SLIST

#ifndef _STLP_OUTERMOST_HEADER_ID

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# define _STLP_OUTERMOST_HEADER_ID 0x58
#include <stl/_prolog.h>
#endif

#ifdef _STLP_PRAGMA_ONCE
# pragma once
#endif

#if defined (_STLP_NO_EXTENSIONS)
/* Comment following if you want to use the slist containter even if you ask for
* no extension.
*/
# error The slist class is an STLport extension.
#endif

#ifndef _STLP_INTERNAL_SLIST_H
#include <stl/_slist.h>
#endif

#if defined (_STLP_IMPORT_VENDOR_STD)
//This is not a Standard header, it might failed for most of
//the compilers so we comment it for the moment. Should be uncommented
//on a compiler basis.
//# include _STLP_NATIVE_HEADER(slist)
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x58)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_SLIST */

// Local Variables:
// mode:C++
// End:

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Main.cpp

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 */

// This header defines classes basic_stringbuf, basic_istringstream,
// basic_ostringstream, and basic_stringstream. These classes
// represent streambsufs and streams whose sources or destinations are

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// C++ strings.

#ifndef _STLP_SSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1059
#include <stl/_prolog.h>
define _STLP_SSTREAM
#endif

if (_STLP_OUTERMOST_HEADER_ID == 0x1059) &&
!(defined (_STLP_NO_IOSSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>

#ifndef _STLP_INTERNAL_SSTREAM
#include <stl/_sstream.h>
#endif

if (_STLP_OUTERMOST_HEADER_ID != 0x1059) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <sstream>
#else
#include _STLP_NATIVE_HEADER(sstream)
#endif
#endif

if (_STLP_OUTERMOST_HEADER_ID == 0x1059)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_SSTREAM */

// Local Variables:
// mode:C++
// End:

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*/

#ifndef _STLP_ALGORITHM

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1
#include <stl/_prolog.h>
#define _STLP_ALGORITHM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1)
#endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <algorithm>
#else
#include _STLP_NATIVE_HEADER(algorithm)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1 )
#include <stl/_epilog.h>

#else
#include <stl/_cstdio.h>
#endif

#include <stl/_algo.h>
#endif

#include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ALGORITHM */

// Local Variables:
// mode:C++
// End:

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 *
 */

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_timer.h

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 *
 */

#ifndef _STLP_CSIGNAL
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x112
#define _STLP_CSIGNAL
#include <stl/_prolog.h>
#endif
#endif

#define _STLP_OUTERMOST_HEADER_ID
#define _STLP_CSIGNAL
#include <stl/_prolog.h>
#endif
// Local Variables:
// mode:C++
// End:

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// End:

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// test_rope.cpp

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// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_rope.cpp
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/test_push_back.h

Interface for the test_push_back class

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/test_hash_set.cpp

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Quick start.

GNU Make (Linux, OpenBSD, FreeBSD, CygWin, etc.), with gcc:
GNU Make (SunOS), with SunPro CC:

make -f CC.mak depend
make -f CC.mak install

Microsoft NMAKE (MS Windows), with VC6:

nmake /fmsvc.mak install

Make system goals.

- all source files declared in one place (for all platforms and compilers); the same is for base library (application) name and version.
- derive object filenames from source filenames in the make system
- source files may be situated in few catalogs
- avoid information duplication, if possible
- support cross-compilation

Make targets.

release-static

build STLport as static library

dbg-static

build STLport as static library (with debug information)

stldbg-static

build STLport as static library (STLP_DEBUG mode, with debug information)

release-shared

build STLport as dynamic (shared) library

dbg-shared

STLport as dynamic (shared) library (with debug information)

stldbg-shared
build STLport as dynamic (shared) library (STLP_DEBUG mode, with debug information)

all (default)

cumulative target for release,dbg,stldbg -shared on Unix-like platforms and plus release,dbg,stldbg -static on Windows.

depend

create dependency files (for performance reasons dependency not created during compilation process); this target absent for MS NMAKE (due to pure scripting opportunities)

install-release-shared
install-dbg-shared
install-stldbg-shared
install-release-static
install-dbg-static
install-stldbg-static

build and install appropriate libraries and related files, into 'STLport/lib' and 'STLport/bin' (../../../lib, relative position of this file)

install

cumulative target for install-*-shared on Unix-like platforms and install-*-* on Windows.

clean

remove all intermediate files

Found in path(s):
 * /opt/cola/permits/1111286494_1607870159.270/stlport-5.2.1.tar.gz/STLport-5.2.1/build/lib/README
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*
*/

ifndef _STLP_IOS

ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x1032
#include <stl/_prolog.h>
define _STLP_IOS
endif

if (_STLP_OUTERMOST_HEADER_ID == 0x1032) && 
!defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD)
#include <stl/_ioserr.h>
define _STLP_INTERNAL_IOS_H
include <stl/_ios.h>
endif
def
endif

if (_STLP_OUTERMOST_HEADER_ID != 0x1032) || defined (_STLP_IMPORT_VENDOR_STD)
if defined (_STLP_HAS_INCLUDE_NEXT)
include_next <ios>
else
#include _STLP_NATIVE_HEADER(ios)
endif
def
endif

if (_STLP_OUTERMOST_HEADER_ID == 0x1032)
include <stl/_epilog.h>
undef _STLP_OUTERMOST_HEADER_ID
def
endif /* _STLP_IOS */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ios
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************************************************************************************
SortClass.h

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SUMMARY: A class designed to test operations that compares objects. All
comparisons on SortClass may fail. Also records its own address for
the sake of testing the stability of sorting algorithms.

***********************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/SortClass.h
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* */

#ifndef _STLP_CTIME
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x118
#include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x118) && ! defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CTIME
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x118
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CTIME
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x118) && !defined (_STLP_DONT_POP_HEADER_ID)
#  ifndef _STLP_INTERNAL_CTIME
#    include <stl/_ctime.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x118) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <ctime>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(ctime)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x118)
#  if !defined (_STLP_DONT_POP_HEADER_ID)
#    include <stl/_epilog.h>
#    undef _STLP_OUTERMOST_HEADER_ID
#  else
#    undef _STLP_DONT_POP_HEADER_ID
#  endif
#endif /* _STLP_CTIME */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ctime
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* */

#ifndef _STLP_IOSFWD

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1034
#include <stl/_prolog.h>
#define _STLP_IOSFWD
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1034) && ~(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>
#endif
#ifndef _STLP_INTERNAL_IOSFWD
    include <stl/iosfwd.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1034) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
    include_next <iosfwd>
#else
    include _STLP_NATIVE_HEADER(iosfwd)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1034)
    include <stl/_epilog.h>
    undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_IOSFWD */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iosfwd
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//***********************************************************************************
test_list.cpp

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 *
 */

#ifndef _STLP_CFLOAT
#define _STLP_CFLOAT

#ifndef _STLP_OUTERMOST_HEADER_ID
#  define _STLP_OUTERMOST_HEADER_ID 0x106
#  include <stl/_prolog.h>
#endif

#if defined  (_STLP_USE_NEW_C_HEADERS) && !defined (__BORLANDC__)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <cfloat>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(cfloat)
#  endif
#else
# endif
#endif

// Borland defines some implementation constants in std:: namespace,
// we do not want to import them.
#if defined (_STLP_USE_NEW_C_HEADERS) && !_defined (__BORLANDC__)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <cfloat>
# else
#   include _STLP_NATIVE_CPP_C_HEADER(cfloat)
# endif
#else


# include <float.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x106 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CFLOAT */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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Prefix.h

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SUMMARY: Configuration #defines for STL EH test suite

 */

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*/

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/op/cola/permits/1111286494_1607870159.27/521/stlport-5-2-1-tar-gz/STLport-
5.2.1/stlport/stl/config/_native_headers.h
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version.

Found in path(s):
/op/cola/permits/1111286494_1607870159.27/521/stlport-5-2-1-tar-gz/STLport-5.2.1/etc/ChangeLog-5.1
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    *
    */

/* Default values based on C++ Standard 22.2.1.
* Under Windows the localisation implementation take care of mapping its
* mask values to those internal values. For other platforms without real
* localization support we are free to use the most suitable values.*/

Found in path(s):
/op/cola/permits/1111286494_1607870159.27/521/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/c_locale.h
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Tests.h

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SUMMARY: Declarations of all of the tests in the exception test suite.

/***************************************************************************/

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// Local Variables:
// mode:C++
// End:

Found in path(s):
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*
*/

#ifndef _STLP_STACK
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x60
#include <stl/_prolog.h>
#define _STLP_STACK
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
#ifndef _STLP_INTERNAL_STACK_H
#include <stl/_stack.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x60) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <stack>
#else
#include _STLP_NATIVE_HEADER(stack)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_STACK */

// Local Variables:
// mode:C++
Found in path(s):
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 */

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/msl_string.h
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 */

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale_win32/c_wlocale_win32.c
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* */

#ifndef _STLP_BITSET

// This implementation of bitset<> has a second template parameter,
// _WordT, which defaults to unsigned long. *YOU SHOULD NOT USE
// THIS FEATURE*. It is experimental, and it may be removed in
// future releases.

// A bitset of size N, using words of type _WordT, will have
// N % (sizeof(_WordT) * CHAR_BIT) unused bits. (They are the high-
// order bits in the highest word.) It is a class invariant
// of class bitset<> that those unused bits are always zero.

// Most of the actual code isn't contained in bitset<> itself, but in the
// base class _Base_bitset. The base class works with whole words, not with
// individual bits. This allows us to specialize _Base_bitset for the
// important special case where the bitset is only a single word.

// The C++ standard does not define the precise semantics of operator[].
// In this implementation the const version of operator[] is equivalent
// to test(), except that it does no range checking. The non-const version
// returns a reference to a bit, again without doing any range checking.

#ifndef _STLP_OUTERMOST_HEADER_ID

#include <stl/_bitset.h>
#endif

#define _STLP_BITSET

#endif (_STLP_OUTERMOST_HEADER_ID == 0x2)
#ifndef _STLP_INTERNAL_BITSET

#include <stl/_prolog.h>
#endif

#define _STLP_OUTERMOST_HEADER_ID 0x2
#define _STLP_INTERNAL_BITSET
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x2) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <bitset>
#  else
#    include _STLP_NATIVE_HEADER(bitset)
#  endif
#endif
#endif /* _STLP_BITSET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 * *
 * /
#endif _STLP_IOMANIP

#ifndef _STLP_IOMANIP
#endif
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1030
# include <stl/_prolog.h>
# define _STLP_IOMANIP
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1030) &&
!defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_IOMANIP
# include <stl/_iomanip.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1030) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <iomanip>
# else
# include _STLP_NATIVE_HEADER(iomanip)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1030)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_IOMANIP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iomanip

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 * */
#ifndef __STLP_NEW_HEADER

#ifndef __STLP_OUTERMOST_HEADER_ID
#  define __STLP_OUTERMOST_HEADER_ID 0x447
#  define __STLP_NEW_HEADER
  include <stl/_prolog.h>
#endif

#if (__STLP_OUTERMOST_HEADER_ID == 0x447)
#  ifndef __STLP_NEW_H_HEADER
#    include <stl/_new.h>
#  endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID != 0x447) || defined (__STLP_IMPORT_VENDOR_STD)
#  if defined (__STLP_HAS_INCLUDE_NEXT)
#    include_next <new>
#  else
#    include __STLP_NATIVE_CPP_RUNTIME_HEADER(new)
#  endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID == 0x447)
#  include <stl/_epilog.h>
#  undef __STLP_OUTERMOST_HEADER_ID
#endif
#endif /* __STLP_NEW */

// Local Variables:
// mode:C++
// End:

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// This header defines classes basic_filebuf, basic_ifstream, 
// basic_ofstream, and basic_fstream. These classes represent 
// streambufs and streams whose sources or destinations are files.

#ifndef _STLP_FSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
    define _STLP_FSTREAM
#  define _STLP_OUTERMOST_HEADER_ID 0x1025
#  include <stl/_prolog.h>
#  define _STLP_OUTERMOST_HEADER_ID
#  ifdef __DMC__ && defined (_DLL)
#    define _STLP_CLASS_IMPORT_DECLSPEC __declspec(dllimport)
#  endif
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1025) && 
!defined (_STLP_NO_IOSSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD)
#  include <stl/_ioserr.h>
#  ifndef _STLP_INTERNAL_FSTREAM_H
#    include <stl/_fstream.h>
#  endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x1025) || defined (_STLP_IMPORT_VENDOR_STD)
    if defined (_STLP_HAS_INCLUDE_NEXT)
#      include_next <fstream>
    #else
#      include <fstream>
#      define _STLP_NATIVE_HEADER(fstream)
#      endif
#  endif
#  ifdef __DMC__ && defined (_DLL)
#    undef _STLP_CLASS_IMPORT_DECLSPEC
#  endif
#endif
#include <stl/_epilog.h>
undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_FSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 *
 */

#ifndef _STLP_PTHREAD_ALLOC
#define _STLP_PTHREAD_ALLOC

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x52
#include <stl/_prolog.h>
#endif

#ifndef _STLP_PRAGMA_ONCE
#define _STLP_PRAGMA_ONCE
#include <stl/_prolog.h>
#endif
# include <stl/_pthread_alloc.h>

# if (_STLP_OUTERMOST_HEADER_ID == 0x52)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# endif

#endif /* _STLP_PTHREAD_ALLOC */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/pthread_alloc
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test_insert.h
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*****************************************************************************
TestController.h

SUMMARY: An "faux-singleton" object to encapsulate a hodgepodge of state and functionality relating to the test suite. Probably should be broken into smaller pieces.

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/top.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/CC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/clean.mak

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*
*/
// version.

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_stream_iterator.h

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*
*/

#ifndef _STLP_CERRNO
#define _STLP_CERRNO

#ifndef _STLP_OUTERMOST_HEADER_ID


# define _STLP_OUTERMOST_HEADER_ID 0x105
# include <stl/_prolog.h>
#endif

ifndef _STLP_WCE
# if defined (_STLP_USE_NEW_C_HEADERS)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cerrno>
#else
# include _STLP_NATIVE_CPP_C_HEADER(cerrno)
#endif
#else
# include <errno.h>
#endif
#endif /* _STLP_CERRNO */

ifndef errno /* errno is not a macro */
# if defined (_STLP_IMPORT_VENDOR_CSTD)
# if !defined (__IBMCPP__) && !defined (__hpux) && !defined (__MWERKS__) && !defined (_STLP_WCE)
_STLP_BEGIN_NAMESPACE
using _STLP_VENDOR_CSTD::errno;
_STLP_END_NAMESPACE
#else
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x105 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CERRNO */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cerrno
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NC_ALLOC.CPP

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Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/nc_alloc.cpp

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STLport README for Microsoft Visual C++ compilers.

by: Francois Dumont, dums@stlport.com, last edited 08/02/2005

Introduction

This document describes how STLport can be compiled and used with Microsoft
Visual C++ 6 SP5. It can also be used for the MSVC++ family.

For any further comments or question visit STLport mailing lists
http://stlport.sourceforge.net/Maillists.shtml or forums
https://sourceforge.net/forum/?group_id=146814

Prerequisites

To build and use STLport you will need following tools and libraries:
- Microsoft Visual C++ 6.0 with at least Service Pack 5 or any higher
  version.

Configuring STLport

In a console window go to the STLport build/lib folder. Run

configure --help

This command will present you the different available build options. Just follow
the instructions to set STLport configuration according your needs. The only
mandatory configuration is to declare what is the compiler you are going to
use, for MSVC 6 it is:

configure -c msvc6

=================
Building STLport
=================
This is a step by step description of the actions to take in order to have the STLport library built:

1. Open a console window. You can get it executing cmd or command depending on your Windows OS.

2. Go to MSVC++ Bin directory with a default MSVC6 install it is
cd "C:\Program Files\Microsoft Visual Studio\VC98\Bin"

3. Run the vcvars32.bat script. This sets the environment variables required to have the MSVC++ compiler run during the build process. The most important one is the PATH variable so that you can call the cl.exe command which is the MSVC++ command line compiler. [You may omit this step, if you chose 'Install paths to access command-line tools' during Microsoft Visual Studio installation procedure.]

4. Go to the STLport build/lib folder:
cd C:\STLport\build\lib

5. Run the following command:
nmake /f msvc.mak install

nmake is the make utility from Microsoft. /f is an nmake option telling it which make file script to use. You have of course to grant the closer make file to your effective compiler, msvc.mak in our case.

Once the command returns, you will have all the necessary libraries within the STLport lib folder. For a description of the generated libraries check the README file within the src folder.

=================
Testing STLport
=================
You can use the unit tests to verify STLport behaves correctly. Change into STLports 'build/test/unit' folder and type:

nmake /f msvc.mak install

Once the unit test is built you just need to run it. They can be found within the STLport bin folder.
Using STLport
==============

Adjust your include and link paths in MSVC IDE (in 'Tools -> Options -> Directories' for MSVC6 IDE). In the include files add the path to STLport's 'stlport' folder. Make sure it is the first directory listed there. Add STLport's 'lib' folder for the library files (order of paths doesn't matter here).

There are some preprocessor defines that control usage of the STLport in msvc projects:

If you don't want to use the iostreams part of the library, you can specify the define _STLP_NO_IOSTREAMS. In this mode there is no need to link against the library.

STLport uses automatic linking to find the proper .lib file. If you want to see what import library STLport is going to use, define _STLP_VERBOSE_AUTO_LINK. When not using automatic linking (by specifying _STLP_DONT_USE_AUTO_LINK), you have to specify the proper .lib file in the Project Settings, on the "link" tab. The .lib names have the following syntax:

stlport[d][stdl][_x,_static,_statix].<STLport-Version>.lib

d : debug build
std: debug build with _STLP_DEBUG (STL safe) mode
_x: Build of STLport as a dll but statically link to the native runtime.
_static : build of a static library
_statix : build of a static library link dynamically to the native runtime.

Examples:

stlport_static.5.0.lib - static release version, Version 5.0.0
stlportd.5.0.lib - dll debug version, Version 5.0.0

When using STLport together with MFC, be sure to include the MFC headers first, then include STLport headers, e.g. in your Stdafx.h. This way STLport correctly recognizes MFC usage. You also can define the macro _STLP_USE_MFC, either in your project settings or in stlport/stl/config/user_config.h.

In order to enhance debugging with STLport you can optionally add the content of the etc/autoexp.dat file in the autoexp.dat file coming with your Visual Studio install.

Now you should be ready to use STLport.

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

Known issues
============
1. InterlockedIncrement

If you experiment trouble with the InterlockedIncrement Win32 API function like the following message:

C:\Program Files\Microsoft SDK\Include\\winbase.h(1392) : error C2733: second C linkage of overloaded function 'InterlockedIncrement' not allowed
C:\Program Files\Microsoft SDK\Include\\winbase.h(1390) : see declaration of 'InterlockedIncrement'

It means that you are using the new Microsoft platform SDK. There is no way to known it from STLport code so you have to signal it in the stlport/stl/config/user_config.h file (uncomment _STLP_NEW_PLATFORM_SDK in this file).

2. Native C/C++ library headers location

If you experiment trouble with location of ctime and other Standard headers while building or using STLport you might be using the compiler coming with a platform SDK. If so please uncomment _STLP_USING_PLATFORM_SDK_COMPILER in stlport/stl/config/user_config.h. If it still do not find native headers you will perhaps need to change native headers relative path used by STLport. In this case use _STLP_NATIVE_INCLUDE_PATH and associated macro in stlport/stl/config/host.h.

4. C symbols in std namespace

The compiler of MSVC++ 6 has a bug when dealing with symbols existant in both the global namespace and symbols imported by a using-directive or a using-declaration - it will report an ambiguous call to an overloaded function (error C2668). Example:

```cpp
void function();
namespace ns {
    void function();
    // or:
    // using ::function;
}

using ns::function;
// or:
// using namespace ns;

void call() {
    function();
}
```

Since we anticipate that using-declarations or even using-directives are common use, STLport by default doesn't import or wrap functions that exist in both the global namespace and namespace std, in particular those are functions with C
origin like fopen() or abs(). Also, it defines additional overloads for functions like abs() (overloaded for int, long, float, double, long double) in the global namespace.

In order to make STLport include them in the std namespace, you can define the _STLP_DO_IMPORT_CSTD_FUNCTIONS macro. Doing so, you will have to explicitly scope all your functions calls like std::abs() though - otherwise you only get the global abs(int) from the C library.

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/doc/README.msvc
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  */

#ifndef _STLP_LIMITS
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x39
#include <stl/_prolog.h>
#define _STLP_LIMITS
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x39)
#ifndef _STLP_INTERNAL_LIMITS
#include <stl/_limits.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x39) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <limits>
#endif
#endif

/*
# else
#  include _STLP_NATIVE_HEADER(limits)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x39)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif
#ifndef _STLP_LIMITS */

// Local Variables:
// mode:C++
// End:

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 */

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test_vector.cpp

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******************************************************************************

test_assign_op.h

SUMMARY: Test functor template for assignment operators.

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*/

// WARNING: The classes defined in this header are DEPRECATED. This
// header is defined in section D.7.1 of the C++ standard, and it
// MAY BE REMOVED in a future standard revision. You should use the
// header <sstream> instead.

#ifndef _STLP_STRSTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1070
#include <stl/_prolog.h>
#define _STLP_STRSTREAM
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1070) && 
  !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x1070) || defined (_STLP_IMPORT_VENDOR_STD)
/* Even if deprecated strstream header is still part of the Standard. Remove
* _STLP_IMPORT_VENDOR_STD check if the native compiler library do not grant
* it anymore. */
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <strstream>
#else
#include _STLP_NATIVE_HEADER(strstream)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1070)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_STRSTREAM */

// Local Variables:
// mode:C++
// End:
Found in path(s):
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 */

#ifndef _STLP_CLOCALE
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x109
#define _STLP_CLOCALE
#include <stl/_prolog.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
#if defined (_STLP_INTERNAL_CLOCALE)
#include <stl/_clocale.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x109) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <clocale>
#else
#include _STLP_NATIVE_CPP_C_HEADER(clocale)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CLOCALE */
// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/locale
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 */

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*/

#ifndef _STLP_UTILITY
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x75
#include <stl/_prolog.h>
#else (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_UTILITY
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)
#ifndef _STLP_INTERNAL_PAIR_H
#include <stl/_pair.h>
#endif
#else (_STLP_OUTERMOST_HEADER_ID != 0x75) || defined (_STLP_DONT_POP_HEADER_ID) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <utility>
#else
#include <stl/_epilog.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)
#endif

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#endif
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif
#endif /* _STLP_UTILITY */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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/***********************************************************************************
test_deque.cpp

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*/

#ifndef _STLP_COMPLEX

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x10
#define _STLP_COMPLEX
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10)
// This header declares the template class complex, as described in
// in the C++ Standard. Single-precision complex numbers
// are complex<float>, double-precision are complex<double>, and
// quad precision are complex<long double>.

// Note that the template class complex is declared within namespace
// std, as called for by the draft C++ standard
#if !defined (_STLP_INTERNAL_COMPLEX)
#include <stl/_complex.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x10) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <complex>
#else
#include _STLP_NATIVE_HEADER(complex)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_COMPLEX */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 *
 */

#ifndef _STLP_CSTDARG

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x113
#define _STLP_CSTDARG
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113)
#ifndef _STLP_INTERNAL_CSTDARG
#include <stl/_cstdarg.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x113) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstdarg>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstdarg)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CSTDARG */

#endif /*_STLP_CSTDARG*/

// Local Variables:
// mode:C++
// End:
Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdarg
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 *
 */
#endif
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#endif
#ifndef _STLP_OSTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1050
#include <stl/_prolog.h>
#define _STLP_OSTREAM
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1050) && 
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>
#endif
#ifndef _STLP_INTERNAL_OSTREAM
#include <stl/_ostream.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x1050) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <ostream>
#else
#include _STLP_NATIVE_HEADER(ostream)
#endif
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1050)
#include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_OSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/stlport/stl/debug/_slist.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/stlport/stl/_slist.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/stlport/stl/_slist_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/src/allocators.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/stlport/stl/_alloc.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar.gz/STLport-5.2.1/stlport/stl/_alloc.c
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*/

#ifndef _STLP_CMATH

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x110
#include <stl/_prolog.h>
#endif (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CMATH
#endif

#ifndef _STLP_INTERNAL_CMATH
#define _STLP_INTERNAL_CMATH
#include <stl/_cmath.h>
#endif

#endif (_STLP_OUTERMOST_HEADER_ID != 0x110) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cmath>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cmath)
#endif
#endif

#endif (_STLP_OUTERMOST_HEADER_ID == 0x110)
#if !defined (_STLP_DONT_POP_HEADER_ID)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#else
#undef _STLP_DONT_POP_HEADER_ID
#endif
#endif /* _STLP_CMATH */
Found in path(s):
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*/

#ifndef__STLP_CSTDDEF

#ifndef__STLP_OUTERMOST_HEADER_ID
#define__STLP_OUTERMOST_HEADER_ID0x114
#define__STLP_CSTDDEF
#include<stl/_prolog.h>
#endif

#if (__STLP_OUTERMOST_HEADER_ID==0x114)
#ifndef__STLP_INTERNAL_CSTDDEF
#include<stl/_cstddef.h>
#endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID!=0x114)||defined(__STLP_IMPORT_VENDOR_STD)
#if defined(__STLP_HAS_INCLUDE_NEXT)
#include_next<cstddef>
#else
#include__STLP_NATIVE_CPP_C_HEADER(cstddef)
#endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID==0x114)
#include<stl/_epilog.h>
#endif
# endif

# endif /* _STLP_CSTDDEF */

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/unordered_set
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test_algobase.cpp

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*
*/
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x104
#define _STLP_CCTYPE
#include <stl/_prolog.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
#if defined (_STLP_INTERNAL_CCTYPE)
#include <stl/_cctype.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x104) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cctype>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cctype)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CCTYPE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_auto_ptr.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/memory
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_io.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_hash.h

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 *
 */

#ifndef _STLP_LIST

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x40

#include <stl/_prolog.h>

#define _STLP_LIST

#endif

#endif

}
#if (_STLP_OUTERMOST_HEADER_ID == 0x40)
#  ifndef _STLP_INTERNAL_LIST_H
#    include <stl/_list.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x40) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <list>
#  else
#    include _STLP_NATIVE_HEADER(list)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x40)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#else
#endif /* _STLP_LIST */

// Local Variables:
// mode:C++
// End:

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 */

#ifndef _STLP_TYPEINFO
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#endif
# define _STLP_OUTERMOST_HEADER_ID 0x473
# include <stl/prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_TYPEINFO
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
#if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <typeinfo>
#else
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(typeinfo)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x473) || defined (_STLP_DONT_POP_HEADER_ID) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <typeinfo>
#else
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(typeinfo)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#else
# undef _STLP_DONT_POP_HEADER_ID
#endif
#endif

// Local Variables:
// mode:C++
// End:

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#ifndef _STLP_CSTDLIB
#endif

#if defined(_STLP_CSTDLIB)
#endif

#if defined(_STLP_OUTERMOST_HEADER_ID)
# define _STLP_OUTERMOST_HEADER_ID 0x116
# define _STLP_CSTDLIB
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# ifndef _STLP_INTERNAL_CSTDLIB
# define _STLP_INTERNAL_CSTDLIB
# include <stl/_cstdlib.h>
#endif
#endif

#if defined(__GNUC__) && defined(__MINGW32__)
/* Native cstdlib includes stdlib.h using an include_next so STLport stdlib.h
* is not used and the workaround in this file must be duplicated here
* (see stdlib.h). */
# include "errno.h"
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# ifndef _STLP_INTERNAL_CSTDLIB
# define _STLP_INTERNAL_CSTDLIB
# include <stl/_cstdlib.h>
#endif
#endif
# endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x116) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <cstdlib>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(cstdlib)
#  endif
#endif

#ifndef _STLP_CSTDLIB

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5.2.1-tar-gz/STLport-5.2.1/stlport/stl/concept_checks.h
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#ifndef _STLP_MAP

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x43

#include <stl/_prolog.h>

#define _STLP_MAP

#endif

#endif

#endif

_ifndef (_STLP_OUTERMOST_HEADER_ID == 0x43)

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* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources-jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
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* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources.jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources.jar/org/springframework/beans/factory/DirectFieldAccessor.java
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* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources.jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources.jar/org/springframework/beans/AbstractPropertyAccessor.java
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* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ipfilter/package-info.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/PemReader.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
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* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/InsecureTrustManagerFactory.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/cola/permits/1258059247_1643027221.70/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
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jar/io/netty/handler/ssl/SslHandler.java  
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jar/io/netty/handler/ssl/util/package-info.java  
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jar/io/netty/handler/ssl/package-info.java  
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jar/io/netty/handler/timeout/WriteTimeoutException.java  
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jar/io/netty/handler/timeout/IdleState.java  
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jar/io/netty/handler/timeout/TimeoutHandler.java  
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jar/io/netty/handler/stream/ChunkedStream.java  
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jar/io/netty/handler/stream/ChunkedNioFile.java  
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jar/io/netty/handler/stream/ChunkedFile.java  
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jar/io/netty/handler/stream/ChunkedFile.java  
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* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-jar/io/netty/handler/ssl/ClientAuth.java
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  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
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  jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/DelegatingSslContext.java
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  jar/io/netty/handler/flow/package-info.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
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  jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
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  jar/io/netty/handler/ssl/PemX509Certificate.java
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  jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
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1.740 opensaml-profile-api 3.4.6

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 */
/**
 * A predicate implementation that indicates whether the message channel does
 * <strong>NOT</strong> support confidentiality end-to-end.
 *
 * Typically but not exclusively used as a predicate for whether to encrypt something.</p>
 */

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* /opt/cola/permits/1277991509_1645786749.5/0/opensaml-profile-api-3-4-6-sources.jar/org/opensaml/profile/context/navigate/ParentProfileRequestContextLookup.java
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1.741 cxf-rt-rs-security-cors 3.5.0

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1.742 opus 1.0.2 6.el7

1.743 txw2 2.3.0

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1.744 jaxb-xjc 2.2.6

1.745 axis2-jaxbri 1.7.9

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1.746 python 2.7.5 88.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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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/EmailValidator.java
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  jar/org/apache/commons/validator/ValidatorResourcesInitializer.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
/* 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
        {
            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;
    }
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;

  int saved_errno = errno;
  close (fd);
  errno = saved_errno;
  return status;
}
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
c 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. */

enum 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 ();
        break;
}

/* 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->affect_symlink_referent
|| 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->force_silent)
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;
}
return ok;
}
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Found in path(s):
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/instrument/classloading/jboss/JBossMCAdapter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scripting/bsh/BshScriptUtils.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/Condition.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/config/IntervalTask.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/support/TaskUtils.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/ScopedProxyMode.java
jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/FilterType.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/format/datetime/joda/JodaTimeContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/ejb/interceptor/SpringBeanAutowiringInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scripting/support/ResourceScriptSource.java
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/**
 * \[@link FactoryBean\] that obtains a WebSphere \[@link javax.management.MBeanServer\]
 * reference through WebSphere's proprietary \[@code AdminServiceFactory\] API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the \[@code MBeanServer\] for bean references.
 * This FactoryBean is a direct alternative to \[@link MBeanServerFactoryBean\],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 * <a href="http://bit.ly/UzccDr">\[@code AdminServiceFactory\]<\a>
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jar/org/springframework/validation/validation/MessageCodesResolver.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/ui/context/ThemeSource.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
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jar/org/springframework/validation/validation/MessageCodeFormatter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jndi/JndiCallback.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/rmi/JndiRmiProxyFactoryBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/rmi/JmiInvocationWrapper.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/annotation/AnnotationConfigBeanDefinitionParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemotingSupport.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/NoSuchMessageException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/scheduling/config/SchedulerBeanDefinitionParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/validation/Errors.java
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jar/org/springframework/validation/AbstractBindingResult.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/assembly/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/assembly/IdentityNamingStrategy.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/assembly/NotificationPublisher.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/DefaultRemoteInvocationFactory.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/rmi/RmiBasedExporter.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/access/DefaultLocatorFactory.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/jmx/export/naming/IdentityNamingStrategy.java

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  jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java
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  jar/org/springframework/cache/interceptor/CacheProxyFactoryBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/cache/annotation/CachingConfigurer.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/cache/interceptor/CacheAspectSupport.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/context/support/ReloadableResourceBundleMessageSource.java

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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 programatically
The `@Conditional` annotation may be used in any of the following ways:

- as a type-level annotation on any class directly or indirectly annotated with `@Component`, 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 `@Inherited`; furthermore, any custom composed annotation that is meta-annotated with `@Conditional` must not be declared as `@Inherited`.

@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
*/

Found in path(s):
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/stereotype/Service.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/support/AbstractMessageSource.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/event/ApplicationEventMulticaster.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassLoaderAdapter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/config/CacheAdviceParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/jmx/export/assembler/MetadataMBeanInfoAssembler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/cache/support/SimpleCacheManager.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/Bean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/jndi/TypeMismatchNamingException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/EnvironmentAware.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/ConfigurationClassUtils.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/SpringCacheAnnotationParser.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/instrument/classloading/jboss/JBossModulesAdapter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/ContextAnnotationAutowiredCandidateResolver.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/scripting/support/ScriptFactoryPostProcessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/format/datetime/standard/DateTimeFormatterFactory.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/AnnotatedElementKey.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/event/EventExpressionEvaluator.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
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1.760 zlib 1.2.11

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1.762 e2fsprogs 1.42.9 16.el7

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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*/

Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- Copyright (C) Andrew Tridgell 2005
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`
  `echo $(my_dir) | sed -e 's;lib/;;'
`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSDLIB_INSTALL_DIR)/$(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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1.765 gzip 1.5-10.el7

1.766 activation 1.1

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1.769 iputils 20160308
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</ul>

<div class="grid_3">
<h4>Community</h4>
<ul>
<li><a href="/memorials/" title="In memoriam of past committers">Memorials</a></li>
</ul>
</div>

<div class="grid_3">
<h4>How It Works</h4>
<ul>
<li>Introduction</li>
<li>Meritocracy</li>
<li>Structure</li>
<li>Roles</li>
<li>Collaboration</li>
<li>Incubator</li>
<li>Other entities</li>
<li>Glossary</li>
<li>Voting</li>
</ul>
</div>

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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4.3.14-release-sources-2.jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4.3.14-release-sources-2.jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2.jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
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  jar/org/springframework/web/client/support/RestGatewaySupport.java
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  jar/org/springframework/web/bind/support/WebRequestDataBinder.java
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  jar/org/springframework/http/RequestEntity.java
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  jar/org/springframework/http/converter/ObjectToStringHttpMessageConverter.java
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  jar/org/springframework/remoting/jaxws/SimpleJaxWsServiceExporter.java
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  jar/org/springframework/http/HttpRange.java
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The original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (http://www.speed-soft.de).

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1.792 ply 3.4

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* /opt/cola/permits/1161114094_1620486510.14/0/ply-3-4-1-tar-gz/ply-3.4/ply/cpp.py
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Metadata-Version: 1.0
Name: ply
Version: 3.4
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD

Description:
PLY is yet another implementation of lex and yacc for Python. Some notable features include the fact that its implemented entirely in Python and it uses LALR(1) parsing which is efficient and well suited for larger grammars.

PLY provides most of the standard lex/yacc features including support for empty productions, precedence rules, error recovery, and support for ambiguous grammars.

PLY is extremely easy to use and provides very extensive error checking.
It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 2

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Introduction

============
PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides very extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:
import lex
import yacc

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
==============
PLY requires the use of Python 2.2 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
==========
More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

A Google group for PLY can be found at

http://groups.google.com/group/ply-hack

Acknowledgments
=================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.2 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# calc.py
#
# A simple calculator with variables.
#

tokens = (   'NAME','NUMBER',   'PLUS','MINUS','TIMES','DIVIDE','EQUALS','   'LPAREN','RPAREN',   )

t_PLUS    = r'\+'
t_MINUS   = r'-'   t_TIMES   = r'\*'   t_DIVIDE  = r'/'
t_EQUALS  = r'='   t_LPAREN  = r'('   t_RPAREN  = r')'
t_NAME    = r'[a-zA-Z_\[a-zA-Z0-9_]*'

def t_NUMBER(t):
    r'\d+'   t.value = int(t.value)
    return t

# Ignored characters
t_ignore = " \t"

def t_newline(t):
    r'\n+'   t.lineno += t.value.count("\n")
```
def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    "expression : expression PLUS expression
    | expression MINUS expression
    | expression TIMES expression
    | expression DIVIDE expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]
def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while 1:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

Bug Reports and Patches
=======================
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. To contact me about
bugs and/or new features, please send email to dave@dabeaz.com.

In addition there is a Google group for discussing PLY related issues at

http://groups.google.com/group/ply-hack

-- Dave

Found in path(s):
* /opt/cola/permits/1161114094_1620486510.14/0/ply-3-4-1-tar-gz/ply-3.4/README

1.793 openjdk-jre 11.0.3
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</pre>
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### xwd utility
<pre>
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list.h, multiVis.h, wsutils.h, list.c, multiVis.c

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Found in path(s):
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**1.799 chrony 3.2 2.el7**

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1.809 libjpeg 6b

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README for release 6b of 27-Mar-1998

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DOCUMENTATION ROADMAP
======================

This file contains the following sections:

OVERVIEW            General description of JPEG and the IJJG 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 IJJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc   How to configure and install the IJJG 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 IJJG 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.

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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
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 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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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.
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send usenet/news.answers/jpeg-faq/part1
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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.

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**1.810 guice-multibindings 3.0**

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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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  jar/org/springframework/web/context/request/FacesWebRequest.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/server/handler/ExceptionHandlingWebHandler.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/ServletServerHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/client/RestClientException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerServiceExporter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/multipart/MultipartUtils.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/cors/UrlBasedCorsConfigurationSource.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
# 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/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/aplikwareaw
# application/atf
# application/atfx
application/atom+xml
application/atxml
application/atomcat+xml
application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
application/atomsvc+xmlatomsvc
# application/atm
# 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/ccxml+xmlccxml+xml
# application/cdfx+xml
application/cdmi-capability+cdmia
application/cdmi-container+cdmic
application/cdmi-domain+cdmid
application/cdmi-object+cdmio
application/cdmi-queue+cdmiq
# application/cdni
# application/cea
# application/cea-2018+xml
# application/cellml+xml
# application/cfw
# application/cms
# application/cnrp+xml
# application/coap-group+json
# application/commonground
# application/conference-info+xml
# application/cpl+xml
# application/csrattrs
# application/csta+xml
# application/cstadata+xml
# application/csvm+json
application/cu-seeme
cu
# application/cybercash
# application/dash+xml
# application/dashdelta
application/davmount+xml
# application/davmount
# application/davmount+xml
davmount
# application/dca-rft
# application/dcd
# application/dec-dx
# application/dialog-info+xml
# application/dicom
# application/dii
# application/dit
# application/dns
application/docbook+xml
dbk
# application/dskpp+xml
application/dssc+der
dssc
application/dssc+xml
xdssc
# application/dvcs
application/emascriptecma
ecmascriptecma
# application/edi-consent
# application/edi-x12
# application/edifact
# application/edi
# application/emergencycalldata.comment+xml
# application/emergencycalldata.deviceinfo+xml
# application/emergencycalldata.providerinfo+xml
# application/emergencycalldata.serviceinfo+xml
# application/emergencycalldata.subscriberinfo+xml
application/emma+xml
# application/emma
# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/euph+xml
# application/euph
epub+zip
# application/eshop
epub+zippepub
# application/example
application/exi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fit+xml
# application/fits
# application/font-sfnt
# application/vnd.globalplatform.card-content-mgt
# application/vnd.globalplatform.card-content-mgt-response
application/vnd.gmx
application/vnd.google-earth.kml+xml
application/vnd.google-earth.kmz
# application/vnd.gov.sk.e-form+xml
# application/vnd.gov.sk.e-form+zip
# application/vnd.gov.sk.xmldatacontainer+xml
application/vnd.grafeq
gqf
gqs
# application/vnd.gridmp
application/vnd.groove-account
gac
application/vnd.groove-help
ghf
application/vnd.groove-identity-message
application/vnd.groove-injector
grv
application/vnd.groove-tool-message
gtm
application/vnd.groove-tool-template
tpl
application/vnd.groove-vcard
vcg
# application/vnd.hal+json
application/vnd.hal+xml
application/vnd.handheld-entertainment+xml
application/vnd.hbci
application/vnd.hcl-bireports
# application/vnd.hdt
# application/vnd.heroku+json
application/vnd.hhe.lesson-player
les
application/vnd.hp-hpgl
hpgl
application/vnd.hp-hpid
hpid
application/vnd.hp-hps
hps
application/vnd.hp-jlyt
jlt
application/vnd.hp-pcl
pcl
application/vnd.hp-pclxl
pclxl
# application/vnd.httpphone
application/vnd.hydrostatix.sof-data
application/vnd.igloader
gl
application/vnd.immervision-ivp
ivp
application/vnd.immervision-ivu
ivu
# application/vnd.ims.imsccv1p1
# application/vnd.ims.imsccv1p2
application/vnd.kde.kkontour
application/vnd.kde.kpresenter
application/vnd.kde.kspread
application/vnd.kde.kword
application/vnd.knamesapp
application/vnd.kidspiration
application/vnd.kinar
application/vnd.koan
application/vnd.kodak-descritors
application/vnd.las.las+xml
#application/vnd.liberty-request+xml
application/vnd.lotus-1-2-3
application/vnd.lotus-approach
application/vnd.lotus-freelance
application/vnd.lotus-notes
application/vnd.lotus-organizer
application/vnd.lotus-screen-cam
application/vnd.lotus-wordpro
application/vnd.macports.portpkgs
#application/vnd.mapbox-vector-tile
#application/vnd.marlin.drm.actiontoken+xml
#application/vnd.marlin.drm.conf-token+xml
#application/vnd.marlin.drm.license+xml
#application/vnd.marlin.drm.mdcf
#application/vnd.mason+json
#application/vnd.maxmind.maxmind-db
application/vnd.mcd
application/vnd.medcalcdata
application/vnd.mediastation.cdkey
#application/vnd.meridian-slingshot
application/vnd.mfmpf
#application/vnd.micro+json
application/vnd.micrograflx.flo
application/vnd.micrograflx.igx
#application/vnd.microsoft.portable-executable
#application/vnd.miele+json
application/vnd.mif
#application/vnd.minisoft-hp3000-save
#application/vnd.mitsubishi.misty-guard.trustweb
application/vnd.mobius.daf
application/vnd.mobius.disdiss
application/vnd.mobius.mbk
application/vnd.mobius.mq
application/vnd.mobius.msml
application/vnd.mobius.plecl
# application/vnd.oma.bcast.simple-symbol-container
# application/vnd.oma.bcast.smartcard-trigger+xml
# application/vnd.oma.bcast.sprov+xml
# application/vnd.oma.bcast.stkm
# application/vnd.oma.cab-address-book+xml
# application/vnd.oma.cab-feature-handler+xml
# application/vnd.oma.cab-pcc+xml
# application/vnd.oma.cab-sub-invite+xml
# application/vnd.oma.cab-user-prefs+xml
# application/vnd.oma.dcd
# application/vnd.oma.dcdd
application/vnd.oma.dd2+xml
# application/vnd.oma.dd2+xmld2
# application/vnd.oma.drm.risd+xml
# application/vnd.oma.group-usage-list+xml
# application/vnd.oma.lwm2m+json
# application/vnd.oma.lwm2m+tlv
# application/vnd.oma.pal+xml
# application/vnd.oma.poc.detailed-progress-report+xml
# application/vnd.oma.poc.final-report+xml
# application/vnd.oma.poc.groups+xml
# application/vnd.oma.poc.invocation-descriptor+xml
# application/vnd.oma.poc.optimized-progress-report+xml
# application/vnd.oma.push
# application/vnd.oma.scidm.messages+xml
# application/vnd.oma.xcap-directory+xml
# application/vnd.omads-email+xml
# application/vnd.omads-file+xml
# application/vnd.omads-folder+xml
# application/vnd.omaloc-supl-init
# application/vnd.onepager
# application/vnd.openblox.game+xml
# application/vnd.openblox.game-binary
# application/vnd.openeye.oeb
application/vnd.openofficeorg.extension
# application/vnd.openxmlformats-officedocument.custom-properties+xml
# application/vnd.openxmlformats-officedocument.customxmlproperties+xml
# application/vnd.openxmlformats-officedocument.drawing+xml
# application/vnd.openxmlformats-officedocument.drawingml.chart+xml
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# application/vnd.openxmlformats-officedocument.drawingml.diagramstyle+xml
# application/vnd.openxmlformats-officedocument.extended-properties+xml
# application/vnd.openxmlformats-officedocument.presentationml.commentauthors+xml
# application/vnd.openxmlformats-officedocument.presentationml.comments+xml
# application/vnd.openxmlformats-officedocument.presentationml.handoutmaster+xml
# application/vnd.openxmlformats-officedocument.presentationml.notesmaster+xml
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application/yin+xml
application/zip
# application/zlib
# audio/1d-interleaved-parityfec
# audio/32kadpcm
# audio/3gpp
# audio/3gpp2
# audio/ac3
audio/adpcmadp
# audio/amr
# audio/amr-wb
# audio/amr-wb+
# audio/aptx
# audio/asc
# audio/atrac-advanced-lossless
# audio/atrac-x
# audio/atrac3
audio/basic
# audio/bv16
# audio/bv32
# audio/clearmode
# audio/cn
# audio/dat12
# audio/dls
# audio/dsr-es201108
# audio/dsr-es202050
# audio/dsr-es202211
# audio/dsr-es202212
# audio/dv
# audio/dvi4
# audio/eac3
# audio/encaprtp
# audio/evrc
# audio/evrc-qcp
# audio/evrc0
# audio/evrc1
# audio/evrcb
# audio/evrcb0
# audio/evrcb1
# audio/evrcnw
# audio/evrcnw0
# audio/evrcnw1
# audio/evrcwb
# audio/evrcwb0
# audio/evrcwb1
# audio/evs
# audio/example
# audio/fwdred
# audio/vnd.octel.sbc
# audio/vnd.qcelp
# audio/vnd.rhetorex.32kadpcm
audio/vnd.riprip
# audio/vnd.sealedmedia.softseal.mpeg
# audio/vnd.vmx.cvsd
# audio/vorbis
# audio/vorbis-config
audio/webmweba
audio/x-aac
audio/x-aiff aiff aifc
audio/x-caf caf
audio/x-flac flac
audio/x-matroskamka
audio/x-mpegurlm3u
audio/x-ms-wax wax
audio/x-ms-wma wma
audio/x-pn-realaudio ram ra
audio/x-pn-realaudio-plugin rmp
# audio/x-tta
audio/x-wav wav
audio/xmxml
chemical/x-cdx cdx
chemical/x-cif cif
chemical/x-cmdf cmdf
chemical/x-cml cml
chemical/x-csml csml
# chemical/x-pdb
chemical/x-xyz xyz
image/bmp bmp
image/cgm cgm
# image/dicom-rle
# image/emf
# image/example
# image/fits
image/g3fax g3
image/gif gif
image/ieifief
# image/jls
# image/jp2
image/jpeg jpeg jpg jpe
# image/jpm
# image/jpx
image/ktx ktx
# image/naplps
image/png png
image/prs.btif btif
# image/prs.pti
Found in path(s):
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5.3.13-sources-jar/org/springframework/http/mime.types
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org.springframework.web.server.adapter.WebHttpHandlerBuilder$SpringWebBlockHoundIntegration

Found in path(s):
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5.3.13-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
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  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/pattern/LiteralPathElement.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/method/annotation/AbstractNamedValueMethodArgumentResolver.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/http/codec/json/Jackson2SmileEncoder.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/http/codec/xml/Jaxb2XmlEncoder.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/web/bind/annotation/RequestParamMethodArgumentResolver.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/http/ContentCachingRequestWrapper.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/http/server/PathContainer.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/http/server/reactive/ReactorServerHttpRequest.java
  * /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/springframework/server/adapter/WebHttpHandlerBuilder.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/UrlPathHelper.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/pattern/PatternParseException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/converter/HttpMessageConverter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/NettyHeadersAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/ReactorClientHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServerHttpRequest.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServerHttpRequestDecorator.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/ClientHttpResponseDecorator.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/ClientHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/adapter/HttpWebHandlerAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/AsyncRequestCallback.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/context/support/StandardServletEnvironment.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/HierarchicalUriComponents.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/HttpHandlerDecoratorFactory.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/multipart/DefaultPartHttpMessageReader.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/bind/MissingRequestValueException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/HttpMessageWriter.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/MediaType.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/multipart/FilePart.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/NettyHeadersAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/cors/reactive/PreFlightRequestHandler.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/client/DefaultResponseErrorHandler.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/method/HandlerMethod.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/UriComponentsBuilder.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/pattern/SingleCharWildcardedPathElement.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServletServerHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/UndertowHeadersAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/ServletRequestDataBinder.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/support/WebExchangeBindException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/HtmlUtils.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/AbstractListenerReadPublisher.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/method/support/CompositeUriComponentsContributor.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServletServerHttpRequest.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServletHttpHandlerAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/ServletRequestPathUtils.java

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

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

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

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

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/* * and/or the "little-cms" library by Marti Maria (depending on the */
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/* */
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/* * animations. It is not meant as a full-featured image-editing */
/* * component! It does however offer creation and editing functionality */
/* * at the chunk level. */
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---------------------------------------------------------------------------
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3. Are derivative works allowed?

   Yes!

4. Can I change or add to the font(s)?
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6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

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March 29, 2012

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

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

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This option is useful when you wish to copy part of the code of
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5. A program that contains no derivative of any portion of the
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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
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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
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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
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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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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

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1.826 jackson 2.13.0

1.826.1 Available under license:

# Jackson JSON processor

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

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1.827 cppformat 2.0.0
1.827.1 Available under license :

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

The MariaDB packages were initially made by http://ourdelta.org/, and
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Version 3, 29 June 2007

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(including a physical distribution medium), accompanied by a
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more than your reasonable cost of physically performing this
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Martin Richards
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Bit Twiddling Hacks

By Sean Eron Anderson
seander@cs.stanford.edu

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    <IlrtTestKind>BuildOnly</IlrtTestKind>
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    <TestUnsupportedOutsideWindows>true</TestUnsupportedOutsideWindows>
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    <!-- This test would require the runincontext.exe to include App.manifest describing the COM interfaces -->
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  </PropertyGroup>
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    <Compile Include="../../ServerContracts/Server.CoClasses.cs" />
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1.859 vim 7.4.629-6.el7

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

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That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

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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. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
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:
Br@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
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Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
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Bram Moolenaar
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8134 Adliswil
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vim:tw=78:ts=8:noet:ft=help:norl:

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1.861 six 1.9.0

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1.862 commons-codec 1.3

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*/
1.863 libnl3 3.200

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

HISTORY -

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

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

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.
The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(ace@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetBucketReplicationConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/HeadBucketResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/S3KeyFilter.java
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jar/com/amazonaws/services/s3/internal/crypto/v1/ContentCryptoMaterial.java
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jar/com/amazonaws/services/s3/internal/crypto/v2/S3ObjectWrapper.java
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jar/com/amazonaws/services/s3/internal/crypto/CipherLiteInputStream.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/transfer/PersistableTransfer.java

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*/
/**
This appendix summarizes the current crypto related meta information associated with an S3 object encrypted using SDK client-side encryption. In SDK's terminology, these meta information are classified as "user metadata".

In general, the meta information is just a map of key/value pairs. Physically they are persisted either as metadata of the encrypted S3 object, or as a separate S3 object called an "instruction file" (which is just a JSON file in plaintext.) For all references to the Cipher Algorithm Names, Modes, and Padding, such as `<code>`"AES/GCM/NoPadding"`<code>`, please refer to Oracle's <a href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html">Java Cryptography Architecture Standard Algorithm Name Documentation</a> for more details.

**S3 metadata vs instruction file**

Note when a key/value pair is stored as "user metadata" as part of the S3 metadata, the SDK always adds an additional prefix of `<b>x-amz-meta-</b>` to the key name. In contrast, the SDK doesn't add any prefix when the key names are stored in an instruction file. (The reason has to do with how the http headers are handled.)

For example, `<b>x-amz-key</b>` would get stored as `<b>x-amz-meta-x-amz-key</b>` in S3 metadata. In contrast, `<b>x-amz-key</b>` would simply be stored as is (ie without the prefix) in an instruction file. All the keys described below are considered "user metadata" by the SDK.

**S3 1st gen crypto meta information**

For non-KMS client side encryption, this crypto meta information is used to support the "Encryption Only" crypto mode (which involves the use of `<code>`AES/CBC/PKCS5Padding`<code> for content encryption, and `<code>`AES/ECB`<code> for encrypting the one-time randomly generated data key). For KMS client-side encryption, the 2nd gen crypto meta information is used.

**Scope**

This metadata can only be generated when encrypting using the V1 encryption client, [@link com.amazonaws.services.s3.AmazonS3EncryptionClient]{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, but can be interpreted (decrypted) by [@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2]{@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}.

The format is also known as v1 metadata, but because there are now v1 and v2 clients, the term v1 metadata is confusing.

**Encryption:** [@link com.amazonaws.services.s3.AmazonS3EncryptionClient]{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode EncryptionOnly

**Decryption:** [@link com.amazonaws.services.s3.AmazonS3EncryptionClient]{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode...
EncryptionOnly or
* [ @link com.amazonaws.services.s3.AmazonS3EncryptionClientV2 ], crypto mode AuthenticationOnly
* <p>
* <h3>Metadata</h3>
* | key | description |
* |---|---|
* | x-amz-key | Content encrypting key (cek) in encrypted form, base64 encoded. The cek is randomly generated per S3 object, and is always an AES 256-bit key. The corresponding cipher is always "AES/CBC/PKCS5Padding". |
* | x-amz-iv | Randomly generated IV (per S3 object), base64 encoded |
* | x-amz-matdesc | Customer provided material description in JSON (UTF8) format. Used to identify the client-side master key (ie used to encrypt/wrap the generated content encrypting key). |
* | x-amz-unencrypted-content-length | Unencrypted content length (optional but should be specified whenever possible) |
* </table>

<p>
<h2>S3 2nd gen crypto meta information</h2>
<p>
This crypto meta information is used to support both authenticated encryption (which involves the use of <code>AES/GCM/NoPadding</code> for content encryption, and key wrapping for the one-time randomly generated data key), and KMS client-side encryption (which can either be encryption-only or authenticated encryption).

<h3>Scope</h3>
2nd gen metadata can be generated/encrypted by both the V1 and V2 encryption clients. The format is also known as v2 metadata, but this is confusing since the V1 client also generates 2nd gen metadata in the AuthenticatedEncryption and StrictAuthenticatedEncryption modes.
* <p>
* Encryption: [ @link com.amazonaws.services.s3.AmazonS3EncryptionClient ]/
* [ @link com.amazonaws.services.s3.AmazonS3EncryptionClient ], crypto modes AuthenticatedEncryption and StrictAuthenticatedEncryption<br>
* Decryption: [ @link com.amazonaws.services.s3.AmazonS3EncryptionClient ], all crypto modes, or
* [ @link com.amazonaws.services.s3.AmazonS3EncryptionClientV2], crypto modes AuthenticatedEncryption and
* StrictAuthenticatedEncryption.
* <p>
* <b>Note:</b> While the V1 client can both generate and interpret 2nd gen metadata, it cannot decrypt any object encrypted
* using the V2 client, because the values of <b>x-amz-wrap-alg</b> differ.
* <p>
* <h3>Metadata used the same way by V1 and V2 clients</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr width="200">
* <td><b>x-amz-key-v2</b></td>
* <td>CEK in key wrapped form. This is necessary so that the S3 encryption
* client that doesn't recognize the v2 format will not mistakenly decrypt S3
* object encrypted in v2 format.</td>
* </tr>
* <tr>
* <td><b>x-amz-iv</b></td>
* <td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
* </tr>
* <tr>
* <td><b>x-amz-unencrypted-content-length</b></td>
* <td>Unencrypted content length. (optional but should be specified whenever
* possible. Same as v1.)</td>
* </tr>
* <tr>
* <td><b>x-amz-tag-len</b></td>
* <td>Tag length (in bits) when AEAD is in use. 
* <ul>
* <li>Only applicable if AEAD is in use. This meta information is absent
* otherwise, or if KMS is in use.</li>
* <li>Supported value: <code>"128"</code></li>
* </ul>
* </td>
* </tr>
* </table>
* <h3>Metadata using V1 client</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td><b>x-amz-matdesc</b></td>
* <td>Customer provided material description in JSON format. (Same as v1). Used
* to identify the client-side master key.</td>
* </tr>
* </table>
* For KMS client side encryption, the KMS Customer Master Key ID is stored as part of the material description, `<b>x-amz-matdesc</b>`, under the key-name `<code>"kms_cmk_id"</code>`.

* Supported values:

  - `<code>"AESWrap", "RSA/ECB/OAEPWithSHA-256AndMGF1Padding", "kms"</code>`
  - No standard key wrapping is used if this meta information is absent.
  - Always set to `<b>"kms"</b>` if KMS is used for client-side encryption.

* `<b>x-amz-wrap-alg</b>`

  - Key wrapping algorithm used.

  - Supported values:
    - `<code>"AES/GCM/NoPadding", "AES/CBC/PKCS5Padding"</code>`
    - Default to `<code>"AES/CBC/PKCS5Padding"</code>` if this key is absent.

* `<b>x-amz-cek-alg</b>`

  - Content encryption algorithm used.

  - Supported values:
    - `<code>"AES/GCM/NoPadding", "AES/CBC/PKCS5Padding"</code>`
    - Default to `<code>"AES/CBC/PKCS5Padding"</code>`.
* No standard key wrapping is used if this meta information is absent
* Always set to "kms" if KMS is used for client-side encryption

### KMS Integration for client-side encryption

* All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, \texttt{x-amz-wrap-alg} is always set to "kms".
* For V1 clients, the KMS Customer Master Key ID is currently stored as part of the material description, \texttt{x-amz-matdesc}, under the key-name \texttt{kms_cmk_id}.
* For V2 clients, the KMS Customer Master Key ID must be supplied by the decrypting client.

### Sample S3 crypto meta information for KMS client-side encryption

**V1 client, CryptoMode: EncryptionOnly**

```plaintext
x-amz-meta-x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoaiC2YdNRNSMElG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRuaN6RCPi1AAAB+MHwGCSqGSlb3DQEHbqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCWCGSAFlAwQBLjARBAyD0rzN3KHViWixDVcCARCAOwhZ6xA8rob3Z0mNx3uKFieHKVyiIC/PKIcALvG1oVLnf86mcZJNpTXtwMkKkDocVj3Z1zGjZTufFsOH
x-amz-iv: xqOHb+M6y0UogwG5SHJM3Q==
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/CBC/PKCS5Padding
x-amz-wrap-alg: kms
x-amz-matdesc: \{"kms_cmk_id":":d3fd2273-4ca0-4da5-b1c2-c89742ec6a26\}"
```

**V1 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption**

```plaintext
x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoaiC2YdNRNSMElG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUj
```
The following key is always included as part of the S3 metadata of the instruction file (which is just an S3 object). Since the SDK treats this key as "user metadata", the key name is always prefixed with `<b>x-amz-meta-</b>` when physically stored.

```
<table>
<thead>
<tr>
<th>key</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x-amz-crypto-instr-file</td>
<td>the presence of this key is used to indicate this S3 object is an instruction file (of an associated client-side encrypted S3 object).</td>
</tr>
</tbody>
</table>
```

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  jar/com/amazonaws/services/s3/internal/ObjectExpirationResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
  jar/com/amazonaws/services/s3/model/GenericBucketRequest.java
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  jar/com/amazonaws/services/s3/model/ResponseHeaderOverrides.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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  jar/com/amazonaws/services/s3/model/CopyPartResult.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/lifecycle/LifecyclePredicateVisitor.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/internal/RepeatableInputStream.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/Grant.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/transform/XmlResponsesSaxParser.java
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jar/com/amazonaws/services/s3/internal/RepeatableFileInputStream.java
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jar/com/amazonaws/services/s3/internal/S3StringResponseHandler.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketLoggingConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/Grant.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/RequestPaymentConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketTaggingConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/CanonicalGrantee.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketPolicy.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/internal/Mimetypes.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/Bucket.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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  jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2ParamsWrapper.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
  jar/com/amazonaws/services/s3/transfer/KeyFilter.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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/**
 * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin returning
 * results. Results are always ordered first lexicographically (i.e.
 * alphabetically) and then from most recent version to least recent
 * version.
 * <p>
 * A key marker must be specified when specifying a <code>versionIdMarker</code>,
 * results begin immediately after the version with the specified key and
* version ID.
* </p>
*
* @return The optional <code>versionIdMarker</code> parameter indicating where in the
* sorted list of all versions in the specified bucket to begin
* returning results.
*
* @see ListVersionsRequest#setVersionIdMarker(String)
* @see ListVersionsRequest#withVersionIdMarker(String)
*/

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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/GetBucketTaggingConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/GetBucketAccelerateConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/GetBucketCrossOriginConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetBucketIntelligentTieringConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ListNextBatchOfObjectsRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetBucketLifecycleConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetBucketLifecycleConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ListBucketIntelligentTieringConfigurationsRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/DeleteBucketIntelligentTieringConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringAndOperator.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/IntelligentTieringPrefixPredicate.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/CryptoRangeGetMode.java

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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/Tag.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/S3RequesterChargedHeaderHandler.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/internal/DeleteObjectTaggingHeaderHandler.java
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 */
/**
 * Interface for providing encryption materials.
 * Implementations are free to use any strategy for providing encryption
 * materials, such as simply providing static material that doesn't change,
 * or more complicated implementations, such as integrating with existing
 * key management systems.
 */

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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/PresignedUrlUploadResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/JSONOutput.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetObjectRetentionResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetObjectRetentionRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEvent.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetObjectLockConfigurationResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetObjectLockConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ObjectLockLegalHoldStatus.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEventStream.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ObjectLockRetention.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Utils.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Message.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/internal/crypto/CryptoUtils.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/QueueConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/S3Event.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/Internal/S3DirectSpi.java
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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/MaterialsDescriptionProvider.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/PutInstructionFileRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/PresignedUrlRetryableDownloadTaskImpl.java

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1.876 geronimo-jta 1.1.1
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`Local Variables:`
`ispell-local-pdict: "ispell-dict"
End`

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  */opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py
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try:
  from setuptools import setup
except ImportError:
  from distutils.core import setup
import os.path
def getversion(fname):
    """Get the __version__ reading the file: works both in Python 2.X and 3.X,
    whereas direct importing would break in Python 3.X with a syntax error""
    for line in open(fname):
        if line.startswith('__version__'):
            return eval(line[13:])
    raise NameError('Missing __version__ in decorator.py')

VERSION = getversion(
    os.path.join(os.path.dirname(__file__), 'src/decorator.py'))

if __name__ == '__main__':
    setup(name='decorator',
          version=VERSION,
          description='Better living through Python with decorators',
          long_description=open('README.txt').read(),
          author='Michele Simionato',
          author_email='michele.simionato@gmail.com',
          url='http://pypi.python.org/pypi/decorator',
          license='BSD License',
          package_dir = {'': 'src'},
          py_modules = ['decorator'],
          keywords="decorators generic utility",
          platforms=['All'],
          classifiers=['Development Status :: 5 - Production/Stable',
                      'Intended Audience :: Developers',
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                      'Operating System :: OS Independent',
                      'Programming Language :: Python',
                      'Programming Language :: Python :: 3',
                      'Topic :: Software Development :: Libraries',
                      'Topic :: Utilities'],
          use_2to3=True,
          zip_safe=False)

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/setup.py

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Decorator module

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

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
Installation
-------------

If you are lazy, just perform

```bash
$ easy_install decorator
```

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

```bash
$ python setup.py install
```

in the main directory, possibly as superuser.

For Python 2.5, 2.6, 2.7 run

```bash
$ python documentation.py
```

for Python 3.X run

```bash
$ python documentation3.py
```

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the
old version.

Documentation
---------------

There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
------------

The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt

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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license
Installation
-------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
--------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

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Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.

Documentation
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Repository
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http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
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Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
*uganda.txt* For Vim version 8.2. Last change: 2020 Jan 08

VIM REFERENCE MANUAL by Bram Moolenaar

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http://iccf-holland.org/
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http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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=== 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

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps.

When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS)
is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
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:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
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1.916 glib 2.56.1 2.el7

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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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   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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include/GL/gl.h :

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

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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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 * *
 * curve25519-donna: Curve25519 elliptic curve, public key function
 * *
 * http://code.google.com/p/curve25519-donna/
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 * Adam Langley <agl@imperialviolet.org>
 * *
 * Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
 * *
 * More information about curve25519 can be found here
 * http://cr.yp.to/ecdh.html
 * *
 * djb's sample implementation of curve25519 is written in a special assembly
 * language called qhasm and uses the floating point registers.
 * *
 * This is, almost, a clean room reimplementation from the curve25519 paper. It
 * uses many of the tricks described therein. Only the crecip function is taken
 * from the sample implementation.
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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/DecoderException.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/compression/ThreadLocalMarshallerProvider.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/compression/Base64Decoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
  jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java

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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/base64/package-info.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/CodecException.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.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.
 */
{@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 examples that will give you the basic idea on which option does what.

### 2 bytes length field at offset 0, do not strip header

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.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 0 (= do not strip header)
```

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

### 2 bytes length field at offset 0, strip header

Because we can get the length of the content by calling {@link ByteBuf#readableBytes()}, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

```
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" |
+--------+----------------+      +--------+----------------+
```

### 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 lengthAdjustment = -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" |
```

**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. lengthAdjustment is zero
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 (17 bytes)                      AFTER DECODE (17 bytes)**

```
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
| 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
```

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

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
* \(<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>
*
* 2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field
*
* 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>
*
* 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 \(<tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* \(<b>lengthAdjustment</b> = \(<b>-3</b> (= the length of HDR1 + LEN, negative)
*<b>initialBytesToStrip</b> = <b>3</b>*

*BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)*

* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |

* </pre>*

* @see LengthFieldPrepender*

*/

Found in path(s):
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/ValueConverter.java

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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/EmptyHeaders.java

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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

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1.952 cxf-rt-transports-local 3.5.0
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1.953 joda-time 2.10.10

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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-
  jar/org/springframework/core/convert/support/IntegerToEnumConverterFactory.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-
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  jar/org/springframework/asm/ByteVector.java
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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/env/MutablePropertySources.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/MethodParameter.java
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* /opt/cola/permits/1228485951_1637062551.4/spring-core-5.3-central-sources.jar/springframework/core/AttributeAccessorSupport.java
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* /opt/cola/permits/1228485951_1637062551.4/spring-core-5.3-central-sources.jar/springframework/core/task/support/TaskExecutorAdapter.java
* /opt/cola/permits/1228485951_1637062551.4/spring-core-5.3-central-sources.jar/springframework/core/io/buffer/DefaultDataBufferFactory.java
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
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You must give prominent notice with each copy of the work that the
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directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

5. A program that contains no derivative of any portion of the 
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However, linking a "work that uses the Library" with the Library 
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When a "work that uses the Library" uses material from a header file 
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages
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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
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In other cases, permission to use a particular library in non-free
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non-free programs enables many more people to use the whole GNU
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Although the Lesser General Public License is Less protective of the
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1.960 libgd 2.0.35-26.el7

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Although their code does not appear in the current release, the authors wish to thank David Koblas, David Rowley, and Hutchison Avenue Software Corporation for their prior contributions.

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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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This distribution contains the sixth public 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.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
=====================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for 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
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

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 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.


If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================
Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
======

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.
1.961 opensaml-security-api 3.4.6

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1.963 qt 5.4.2

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* /opt/ws_local/PERMITS_SQL/1078161956_1597262845.11/0/jackson-2-6-7-sources-1-
  jar/com/mastfrog/jackson/TimeSerializationMode.java
* /opt/ws_local/PERMITS_SQL/1078161956_1597262845.11/0/jackson-2-6-7-sources-1-
  jar/com/mastfrog/jackson/LocaleJacksonConfigurer.java
* /opt/ws_local/PERMITS_SQL/1078161956_1597262845.11/0/jackson-2-6-7-sources-1-
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  * /opt/ws_local/PERMITS_SQL/1078161956_1597262845.11/0/jackson-2-6-7-sources-1-
    jar/com/mastfrog/jackson/OptionalSerializer.java
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1.975 beanshell 2.0b4

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/**
 * Print the string value of the argument, which may be of any type.
 * If beanshell is running interactively, the output will always go to the
 * command line, otherwise it will go to System.out.
 * </p>

Most often the printed value of an object will simply be the Java
toString() of the object. However if the argument is an array the contents
of the array will be (recursively) listed in a verbose way.

<p>
Note that you are always free to use System.out.println()
instead of print().
*/

Found in path(s):
* /opt/cola/permits/1000060130_1646171457.83/0/bsh-2-0b4-jar/bsh/commands/print.bsh

1.976 nss 3.67

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1.980 woden-api 1.0M9

1.980.1 Available under license:

W3C XML Schema defined in the Web Services Description (WSDL)
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1.981 bcel 2.7.1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same
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* @author Rainer Pruy
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* /opt/cola/permits/1136045046_1613664976.05/0/opencsv-3-3-sources-1-jar/com/opencsv/ResultSetHelperService.java
* /opt/cola/permits/1136045046_1613664976.05/0/opencsv-3-3-sources-1-jar/com/opencsv/CSVParserBuilder.java
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jar/com/opencsv/bean/MappingStrategy.java
* /opt/cola/permits/1136045046_1613664976.05/0/opencsv-3-3-sources-1-jar/com/opencsv/bean/BeanToCsv.java
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1.995 nettle 2.7.1 8.el7
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/* pbkdf2-hmac-sha256.c */

* PKCS #5 PBKDF2 used with HMAC-SHA256, see RFC 2898.
*/

/* nettle, low-level cryptographics library */

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* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
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  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

1.1000 docker 1.13.1-161.git64e9980.el7_8
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Gocheck - A rich testing framework for Go

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

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.1003 libxml 2.9.1-6.el7.5

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config.guess
missing
install-sh
mkinstalldirs
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src/speech/g72x.h
src/speech/g721.c
src/speech/g72x.c
src/speech/g723_24.c
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* Convert PKCS#1 encoded private key into RSAPrivateCrtKeySpec.
*
* <p/>The ASN.1 syntax for the private key with CRT is
*
* <pre>
* -- Representation of RSA private key with information for the CRT algorithm.
* --
* RSAPrivateKey ::= SEQUENCE {
*   version      Version,
*   modulus      INTEGER,  -- n
*   publicExponent INTEGER,  -- e
*   privateExponent INTEGER,  -- d
*   prime1 INTEGER,  -- p
*   prime2 INTEGER,  -- q
*   exponent1 INTEGER,  -- d mod (p-1)
*   exponent2 INTEGER,  -- d mod (q-1)
*   coefficient INTEGER,  -- (inverse of q) mod p
*   otherPrimeInfos OtherPrimeInfos OPTIONAL
* }
* </pre>
*
* @param keyInPkcs1 PKCS#1 encoded key
* @throws java.io.IOException
*/
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1.1020 json-glib 1.4.2 2.el7

1.1021 jibx-bind 1.2

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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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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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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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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.

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

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Version 2.1, February 1999

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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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1.1026 tomcat 9.0.56
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1.1029 undertow-core 2.2.12.Final

1.1029.1 Available under license:

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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-
  jar/io/undertow/attribute/RemoteObfuscatedIPAttribute.java

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*/
/**
* Encodes and decodes to and from Base64 notation.
* </p>
* <p>
* </p>
* 
* Example:
* </p>
* 
* String encoded = Base64.encode( byteArray );</code> <br />
* byte[] byteArray = Base64.decode( encoded );</code>
* 
* The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the
* encoder.
* In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate
* such things
* as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and
* Ordered
* dialects.
* Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations should not add line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke lines by default.

* The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:

```java
String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );
```

* to compress the data before encoding it and then making the output have newline characters.

* Also...

```java
String encoded = Base64.encodeBytes( crazyString.getBytes() );
```

* Change Log:

* v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base 64 character but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential for better handling) of other bad input characters. You should now get an IOException if you try decoding something that has bad characters in it.

* v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the buffer was not properly shrunk and contained an extra (null) byte that made it into the string.

* v2.3.5 - Fixed bug in `encodeFromFile` where estimated buffer size was wrong for files of size 31, 34, and 37 bytes.

* v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64OutputStream closed the Base64 encoding (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also added experimental support for specifying a class loader when using the `decodeToObject(String, int, ClassLoader)` method.
* v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its CharEncoders and so forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException explicitly inline.
* v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be so that the code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using the `{@link #encodeBytesToBytes(byte[])} family of methods (and not using the gzip options which uses a different mechanism with streams and stuff).</li>
* v2.3.1 - Added `{@link #encodeBytesToBytes(byte[], int, int, int)} and some similar helper methods to be more efficient with memory by not returning a String but just a byte array.</li>
* v2.3 - This is not a drop-in replacement! This is two years of comments and bug fixes queued up and finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or something similar. Here are some changes that may affect you:
* ul
  * Does not break lines, by default. This is to keep in compliance with <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>.
  * Throws exceptions instead of returning null values. Because some operations (especially those that may permit the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some discussion and thought, I've changed the behavior of the methods to throw java.io.IOException rather than return null if ever there's an error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been done this way to begin with.
  * Removed all references to System.out, System.err, and the like. Shame on me. All I can say is sorry they were ever there.
  * Throws NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed arrays are null or offsets are invalid.
  * Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before for people who were thorough in their own projects and then had gobs of javadoc warnings on this file.
* ul
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~<40 bytes).
* v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to
* support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
  * <ol>
    * <li>The default is RFC3548 format.</li>
    * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in</li>
    * <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves lexical ordering as described in http://www.faqs.org/qa/rfcc-1940.html</li>
    * <ul>
        * Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new</li>
        * Base64 dialects.</li>
    * </ul>
    * <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.</li>
    * <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).</li>
    * <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
    * <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format (int that you "OR" together).</li>
    * <li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode(String s, boolean gzipCompressed).</li>
    * Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).</li>
    * <li>v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li>
    * <li>v1.4 - Added helper methods to read/write files.</li>
    * <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
    * <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.</li>
    * <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
    * <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
  * </ol>
  *
  * I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or warranties but with plenty of well-wishing instead! Please visit http://iharder.net/base64
* periodically to check for updates or to contribute improvements.
* </p>
* 
* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
* /

Found in path(s):
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/websockets/core/protocol/version07/Base64.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/predicate/NotPredicate.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/protocol/ParseTimeoutUpdater.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/http2/Hpack.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/http2/Hpack.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/MalformedMessageException.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/server/handlers/accesslog/LogFileHeaderGenerator.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/DelegateOpenListener.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/predicate/PathMatchPredicate.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/http2/Http2NoDataStreamSinkChannel.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/util/URLUtils.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/protocols/http2/Http2PrefaceStreamSinkChannel.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/MapDelegatingToSet.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/util/HeaderToken.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/AbstractServerConnection.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/core-2-2-12-final-sources.jar/io/undertow/attribute/CookieAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/protocols/ajp/AjpClientChannel.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/protocol/http/ALPNOfferedClientHelloExplorer.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/protocol/http/HttpTransferEncoding.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/connector/PooledByteBuffer.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/predicate/PathSuffixPredicate.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/session/Session.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/protocols/ssl/ALPNHackSSLEngine.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/conduits/HeadStreamSinkConduit.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/security/idm/Credential.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/server/session/Session.java

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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/websockets/core/WebSocketFrame.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/protocol/http/HttpServerConnection.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/api/NotificationReceiver.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/attribute/RemoteUserAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/websockets/core/WebSocketFrame.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/attribute/RemoteUserAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/io/BufferWritableOutputStream.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/conduits/DeflatingStreamSinkConduit.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/alpn/JettyAlpnProvider.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/websockets/core/protocol/version07/Masker.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/HttpUpgradeHandshake.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/websockets/core/SendChannel.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/conduits/ConduitListener.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-websockets/core/AccessControlListHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/cache/LRUCache.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/conduits/ChunkReader.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/protocols/ssl/ALPNHackClientHelloExplorer.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/http2/HPackHuffman.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/AccessControlListHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/AccessControlListHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/attribute/TransportProtocolAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/api/NonceManager.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/api/DigestAlgorithm.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/implementations/ClientCertAuthenticationMechanism.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/NameVirtualHostHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/JvmRouteHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/cache/ResponseCache.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/api/AuthenticationMechanism.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/PushCallback.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/websockets/core/function/ChannelFunctionWritableByteChannel.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources.jar/io/undertow/util/ConnectionUtils.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/proxy/ProxyCallback.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-client/http/HttpClientProvider.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/SecureCookieHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/proxy/mod_cluster/ModClusterStatus.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/accesslog/DefaultAccessLogReceiver.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/predicate/PathPrefixPredicate.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/attribute/SecureExchangeAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/RoutingHandler.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-websockets/client/WebSocketClientNegotiation.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/attribute/PredicateContextAttribute.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/conduits/AbstractFramedStreamSinkConduit.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/handlers/PredicateHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/conduits/IdleTimeoutConduit.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-server/XnioBufferPoolAdaptor.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/conduits/DebuggingStreamSinkConduit.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/server/session/SslSessionConfig.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-client/ClientStatistics.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-websockets/core/BufferedTextMessage.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/HeaderValues.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/SimpleAttachmentKey.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/impl/DigestAuthenticationMechanism.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/form/FormParserFactory.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/LearningPushHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/encoding/ContentEncodedResource.java
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*/
/**
  * Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the
  * request
  * and redirecting to a secure address.
  *
  * @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
  */
/**
  * Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
  *
  * Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual
  * SSLSession.
/**
 * Use the HttpServerExchange to identify if confidentiality is required.
 *
 * This method currently returns true for all requests, sub-classes can override this to provide a custom check.
 *
 * TODO: we should deprecate this and just use a predicate to decide to execute the handler instead
 *
 * @param exchange - The \{@link HttpServerExchange\} for the request being processed.
 * @return true if the request requires confidentiality, false otherwise.
 */
/**
 * All sub-classes are required to provide an implementation of this method, using the HttpServerExchange for the
 * current request return the address to use for a redirect should confidentiality be required and the request not be
 * confidential.
 *
 * @param exchange - The \{@link HttpServerExchange\} for the request being processed.
 * @return The \{@link URI\} to redirect to.
 */

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 */

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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/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/FastConcurrentDirectDeque.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/PortableConcurrentDirectDeque.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/Rfc6265CookieSupport.java
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*/
/**
* An extension to {@link AbstractConfidentialityHandler} that uses the Host header from the incoming message
* and specifies the
* confidential address by just switching the port.
*
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
*/

Found in path(s):
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-
jar/io/undertow/security/handlers/SinglePortConfidentialityHandler.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-
jar/io/undertow/protocols/ssl/MechanismDatabase.properties
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#
io.undertow.protocols.ssl.SNIAlpnEngineManager
io.undertow.protocols.alpn.DefaultAlpnEngineManager

Found in path(s):
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNEngineManager
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/security/api/AuthenticationMechanismContext.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/RouteIteratorFactory.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/RouteParsingStrategy.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/UrlDecodeException.java
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#
io.undertow.protocols.alpn.JDK8HackAlpnProvider
io.undertow.protocols.alpn.JettyAlpnProvider
io.undertow.protocols.alpn.JDK9AlpnProvider
io.undertow.protocols.alpn.OpenSSLAlpnProvider

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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNProvider
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/StuckThreadDetectionHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/util/LegacyCookieSupport.java

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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/protocols/ssl/SNISSISSLContextSpi.java
1.1030 spring-web 5.3.7

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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/support/WebExchangeDataBinder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/annotation/RequestHeaderMethodArgumentResolver.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/MissingRequestCookieException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/ServletServerHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/json/KotlinSerializationJsonDecoder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/adapter/HttpWebHandlerAdapter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/UriComponents.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/adapter/HttpWebHandlerAdapter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/multipart/DefaultPartHttpMessageReader.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/MediaTypeFactory.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/ExceptionHandler.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/multipart/PartGenerator.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/DecoderHttpMessageReader.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/JettyHeadersAdapter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/UnsupportedMediaTypeStatusException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/ServerHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/DefaultServerHttpRequestBuilder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/AbstractListenerReadPublisher.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/annotation/AbstractCookieValueMethodArgumentResolver.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/UrlPathHelper.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/ServletRequestPathUtils.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/HttpHeaders.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/cors/CorsConfiguration.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/annotation/RequestParamMethodArgumentResolver.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/multipart/MultipartResolver.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/ RequestContextListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/NettyHeadersAdapter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/ServerHttpRequestDecorator.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/json/AbstractJackson2HttpMessageConverter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/json/AbstractJackson2Encoder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/support/BaseDefaultCodecs.java
*/
*/
*/
jar/org/springframework/http/converter/HttpMessageNotWritableException.java
   */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/WebFilter.java
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   */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/CommonsRequestLoggingFilter.java
   */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/RequestContextFilter.java
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   */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/ResourceAccessException.java
   */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/support/SimpleSessionStatus.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/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/InitBinder.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/remoting/httpinvoker/HttpInvokerClientConfiguration.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/ServletRequestBindingException.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/MediaTypeEditor.java
  */opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
jar/org/springframework/web/server/ServerWebExchange.java
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jar/org/springframework/web/util/pattern/ParseException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/http/converter/json/GsonFactoryBean.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/http/client/HttpComponentsStreamingClientHttpRequest.java
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*/

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jar/org/springframework/http/client/AsyncClientHttpRequest.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/accept/HeaderContentNegotiationStrategy.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/async/WebAsyncUtils.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/converter/GenericHttpMessageConverter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/converter/json/MappingJacksonValue.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/accept/ParameterContentNegotiationStrategy.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/converter/GenericHttpMessageConverter.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/ContextPathCompositeHandler.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/client/SimpleStreamingClientHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/protobuf/ProtobufCodecSupport.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/adapter/AbstractReactiveWebInitializer.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/multipart/commons/CommonsFileUploadSupport.java

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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/support/XmlWebApplicationContext.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/async/CallableInterceptorChain.java

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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/ServerHttpResponse.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-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
# 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/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/csvm+json
application/cu-seemecu
# application/cybercash
# application/dash+xml
# application/dashdelta
application/davmount+xml davmount
# application/dca-rft
# application/dcd
# application/dec-dx
# application/dialog-info+xml
# application/dicom
# application/dii
# application/dit
# application/dns
application/docbook+xml dbk
# application/dskpp+xml
application/dssc+der dssc
application/dssc+xml xdssc
# application/dvcs
application/emascriptecma
# application/edi-consent
# application/edi-x12
# application/edifact
# application/efi
# application/emergencycalldata.comment+xml
# application/emergencycalldata.deviceinfo+xml
# application/emergencycalldata.providerinfo+xml
# application/emergencycalldata.serviceinfo+xml
# application/emergencycalldata.subscriberinfo+xml
application/emma+xml emma
# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/epub+xml zipepub
# application/eshop
# application/example
application/exiexi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fits
# application/font-sfnt
application/font-tdpfr pfr
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model/x3d+binary+x3dB x3dbz
# model/x3d+fastinfoset
model/x3d+vrmlx3dv x3dvz
model/x3d+xml x3dz
# model/x3d-vrml
# multipart/alternative
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text/x-vcalendar
text/x-vcard
# text/xml
# text/xml-external-parsed-entity
# video/1d-interleaved-parityfec
video/3gpp3gp
# video/3gpp-tt
video/3gpp23g2
# video/bmip2eg
# video/bt656
# video/celb
# video/dv
# video/encaprtp
# video/example
video/h261h261
video/h263h263
# video/h263-1998
# video/h263-2000
video/h264h264
# video/h264-rcdo
# video/h264-svc
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video/mj2mj2 mjp2
# video/mp1s
# video/mp2p
# video/mp2t
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# video/mp4v-es
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# video/mpeg4-generic
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/codec/json/Jackson2JsonDecoder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/server/session/DefaultWebSessionManager.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/ResponseCookie.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/method/support/InvocableHandlerMethod.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/HttpEntity.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/client/reactive/HttpComponentsClientHttpConnector.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/http/ResponseCookie.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/client/reactive/HttpComponentsClientHttpConnector.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/context/request/async/WebAsyncManager.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/bind/support/WebRequestDataBinder.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/GetMapping.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/FacesWebRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/RequestScope.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/annotation/RequestScope.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/app/ClientHttpRequestFactory.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/annotation/PatchMapping.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/SessionScope.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/RequestScope.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/PatchMapping.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/SessionScope.java
jar/org/springframework/web/bind/annotation/PostMapping.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/filter/CompositeFilter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/bind/annotation/RequestAttribute.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/context/annotation/SessionScope.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/cors/CorsConfigurationSource.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/context/annotation/ApplicationScope.java
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jar/org/springframework/web/server/session/WebSessionManager.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/bind/support/WebBindingInitializer.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/http/client/ClientHttpRequestExecution.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
jar/org/springframework/http/ReactiveHttpInputMessage.java
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jar/org/springframework/web/server/WebHandler.java

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org.springframework.web.server.adapter.WebHttpHandlerBuilder$SpringWebBlockHoundIntegration

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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/support/ServletConfigPropertySource.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/HttpServerErrorException.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/HttpServletResponseWrapper.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/ServerWebExchangeDecorator.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/HttpStatusCodeException.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/ServerWebExchangeDecorator.java
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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.

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If such an object file uses only numerical parameters, data
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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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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:

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

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

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1.1032 autogen 5.18 5.el7

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

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b) Convey the object code in, or embodied in, a physical product
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

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

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

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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
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1.1044 mgetty 1.1.36

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*************************************************************************/

#include <stdio.h>
#include <config.h>
#include <number.h>
#include <assert.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>/* Prototypes needed for external utility routines. */

#define bc_rt_warn rt_warn
#define bc_rt_error rt_error
#define bc_out_of_memory out_of_memory

_INCLUDED void rt_warn, (char *mesg ,...);
_INCLUDED void rt_error, (char *mesg ,...);
_INCLUDED void out_of_memory, (void);

/* Storage used for special numbers. */
bc_num _zero_;
bc_num _one_;
bc_num _two_;

static bc_num _bc_Free_list = NULL;

/* new_num allocates a number and sets fields to known values. */
bc_num
bc_new_num (length, scale)
   int length, scale;
{
bc_num temp;

if (_bc_Free_list != NULL) {
   temp = _bc_Free_list;
   _bc_Free_list = temp->n_next;
} else {
   temp = (bc_num) malloc (sizeof(bc_struct));
   if (temp == NULL) bc_out_of_memory();
}
temp->n_sign = PLUS;
temp->n_len = length;
temp->n_scale = scale;
temp->n_refs = 1;
temp->n_ptr = (char *) malloc (length+scale);
if (temp->n_ptr == NULL) bc_out_of_memory();
temp->n_value = temp->n_ptr;
memset (temp->n_ptr, 0, length+scale);
return temp;
}

/* "Frees" a bc_num NUM. Actually decreases reference count and only
   frees the storage if reference count is zero. */
void
bc_free_num (num)
   bc_num *num;
{
if (*num == NULL) return;
(*num)->n_refs--;
if ((*num)->n_refs == 0) {
   if ((*num)->n_ptr)
      free ((*num)->n_ptr);
   (*num)->n_next = _bc_Free_list;
   _bc_Free_list = *num;
}
*num = NULL;
}

/* Initialize the number package! */

void
bc_init_numbers ()
{
/* Make a copy of a number! Just increments the reference count! */

bc_num
bc_copy_num (num)
   bc_num num;
{
   num->n.refs++;
   return num;
}

/* Initialize a number NUM by making it a copy of zero. */

void
bc_init_num (num)
   bc_num *num;
{
   *num = bc_copy_num (_zero_);
}

/* For many things, we may have leading zeros in a number NUM. 
_bc_rm_leading_zeros just moves the data "value" pointer to the 
correct place and adjusts the length. */

static void
_bc_rm_leading_zeros (num)
   bc_num num;
{
   /* We can move n_value to point to the first non zero digit! */
   while (*num->n_value == 0 && num->n.len > 1) {
      num->n_value++;
      num->n.len--;
   }
}

/* Compare two bc numbers. Return value is 0 if equal, -1 if N1 is less 
than N2 and +1 if N1 is greater than N2. If USE_SIGN is false, just 
compare the magnitudes. */
static int
  _bc_do_compare (n1, n2, use_sign, ignore_last)
  bc_num n1, n2;
  int use_sign;
  int ignore_last;
{
  char *n1ptr, *n2ptr;
  int count;

  /* First, compare signs. */
  if (use_sign && n1->n_sign != n2->n_sign)
  {
    if (n1->n_sign == PLUS)
      return (1); /* Positive N1 > Negative N2 */
    else
      return (-1); /* Negative N1 < Positive N1 */
  }

  /* Now compare the magnitude. */
  if (n1->n_len != n2->n_len)
  {
    if (n1->n_len > n2->n_len)
    {
      /* Magnitude of n1 > n2. */
      if (!use_sign || n1->n_sign == PLUS)
        return (1);
      else
        return (-1);
    }
    else
    {
      /* Magnitude of n1 < n2. */
      if (!use_sign || n1->n_sign == PLUS)
        return (-1);
      else
        return (1);
    }
  }

  /* If we get here, they have the same number of integer digits.
   check the integer part and the equal length part of the fraction. */
  count = n1->n_len + MIN (n1->n_scale, n2->n_scale);
  n1ptr = n1->n_value;
  n2ptr = n2->n_value;

  while ((count > 0) && (*n1ptr == *n2ptr))
  {
    n1ptr++;
  }
n2ptr++;  
count--;  
}
if (ignore_last && count == 1 && n1->n_scale == n2->n_scale)  
return (0);
if (count != 0)  
{
  if (*n1ptr > *n2ptr)  
  {  
    /* Magnitude of n1 > n2. */  
    if (!use_sign || n1->n_sign == PLUS)  
      return (1);  
    else  
      return (-1);  
  }  
  else  
  {  
    /* Magnitude of n1 < n2. */  
    if (!use_sign || n1->n_sign == PLUS)  
      return (-1);  
    else  
      return (1);  
  }
  }
  /* They are equal up to the last part of the equal part of the fraction. */  
if (n1->n_scale != n2->n_scale)  
{  
  if (n1->n_scale > n2->n_scale)  
  {  
    for (count = n1->n_scale-n2->n_scale; count>0; count--)  
      if (*n1ptr++ != 0)  
      {  
        /* Magnitude of n1 > n2. */  
        if (!use_sign || n1->n_sign == PLUS)  
          return (1);  
        else  
          return (-1);  
      }
  }  
  else  
  {  
    for (count = n2->n_scale-n1->n_scale; count>0; count--)  
      if (*n2ptr++ != 0)  
      {  
        /* Magnitude of n1 < n2. */  
        if (!use_sign || n1->n_sign == PLUS)  
          return (-1);  
      }
  }
}  
}
else
    return (1);
}
}

/* They must be equal! */
return (0);
}

/* This is the "user callable" routine to compare numbers N1 and N2. */

int
bc_compare (n1, n2)
    bc_num n1, n2;
{
                   return _bc_do_compare (n1, n2, TRUE, FALSE);
}

/* In some places we need to check if the number is negative. */

char
bc_is_neg (num)
    bc_num num;
{
    return num->n_sign == MINUS;
}

/* In some places we need to check if the number NUM is zero. */

char
bc_is_zero (num)
    bc_num num;
{
    int  count;
    char *nptr;

    /* Quick check. */
    if (num == _zero_) return TRUE;

    /* Initialize */
    count = num->n_len + num->n_scale;
    nptr = num->n_value;

    /* The check */
    while ((count > 0) && (*nptr++ == 0)) count--;
if (count != 0)
    return FALSE;
else
    return TRUE;
}

/* In some places we need to check if the number NUM is almost zero. 
   Specifically, all but the last digit is 0 and the last digit is 1. 
   Last digit is defined by scale. */

char
bc_is_near_zero (num, scale)
    bc_num num;
    int scale;
{
    int count;
    char *nptr;

    /* Error checking */
    if (scale > num->n_scale)
        scale = num->n_scale;

    /* Initialize */
    count = num->n_len + scale;
    nptr = num->n_value;

    /* The check */
    while ((count > 0) && (*nptr++ == 0)) count--;

    if (count != 0 && (count != 1 || *--nptr != 1))
        return FALSE;
    else
        return TRUE;
}

/* Perform addition: N1 is added to N2 and the value is 
 returned. The signs of N1 and N2 are ignored. 
 SCALE_MIN is to set the minimum scale of the result. */

static bc_num
_bc_do_add (n1, n2, scale_min)
    bc_num n1, n2;
    int scale_min;
{
    bc_num sum;
    int sum_scale, sum_digits;
    char *n1ptr, *n2ptr, *sumptr;
int carry, n1bytes, n2bytes;
int count;

/* Prepare sum. */
sum_scale = MAX (n1->n_scale, n2->n_scale);
sum_digits = MAX (n1->n_len, n2->n_len) + 1;
sum = bc_new_num (sum_digits, MAX(sum_scale, scale_min));

/* Zero extra digits made by scale_min. */
if (scale_min > sum_scale)
{
    sumptr = (char *) (sum->n_value + sum_scale + sum_digits);
    for (count = scale_min - sum_scale; count > 0; count--)
        *sumptr++ = 0;
}

/* Start with the fraction part. Initialize the pointers. */
n1bytes = n1->n_scale;
n2bytes = n2->n_scale;
n1ptr = (char *) (n1->n_value + n1->n_len + n1bytes - 1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2bytes - 1);
sumptr = (char *) (sum->n_value + sum_scale + sum_digits - 1);

/* Add the fraction part. First copy the longer fraction. */
if (n1bytes != n2bytes)
{
    if (n1bytes > n2bytes)
        while (n1bytes > n2bytes)
        { *sumptr-- = *n1ptr--; n1bytes--;
    else
        while (n2bytes > n1bytes)
        { *sumptr-- = *n2ptr--; n2bytes--;

/* Now add the remaining fraction part and equal size integer parts. */
n1bytes += n1->n_len;
n2bytes += n2->n_len;
carry = 0;
while ((n1bytes > 0) && (n2bytes > 0))
{
    *sumptr = *n1ptr-- + *n2ptr-- + carry;
    if (*sumptr > (BASE-1))
    { carry = 1;
        *sumptr += BASE;
    }
    else
        carry = 0;
// Perform subtraction: N2 is subtracted from N1 and the value is returned. The signs of N1 and N2 are ignored. Also, N1 is assumed to be larger than N2. SCALE_MIN is the minimum scale of the result. */

static bc_num
_bc_do_sub (n1, n2, scale_min)

    bc_num n1, n2;
    int scale_min;
{
    bc_num diff;
    int diff_scale, diff_len;
    int min_scale, min_len;
    char *n1ptr, *n2ptr, *diffptr;
    int borrow, count, val;

    /* Allocate temporary storage. */
diff_len = MAX (n1->n_len, n2->n_len);
diff_scale = MAX (n1->n_scale, n2->n_scale);
min_len = MIN (n1->n_len, n2->n_len);
min_scale = MIN (n1->n_scale, n2->n_scale);
diff = bc_new_num (diff_len, MAX(diff_scale, scale_min));

/* Zero extra digits made by scale_min. */
if (scale_min > diff_scale)
{
    diffptr = (char *) (diff->n_value + diff_len + diff_scale);
    for (count = scale_min - diff_scale; count > 0; count--)
        *diffptr++ = 0;
}

/* Initialize the subtract. */
n1ptr = (char *) (n1->n_value + n1->n_len + n1->n_scale -1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2->n_scale -1);
diffptr = (char *) (diff->n_value + diff_len + diff_scale -1);

/* Subtract the numbers. */
borrow = 0;

/* Take care of the longer scaled number. */
if (n1->n_scale != min_scale)
{
    /* n1 has the longer scale */
    for (count = n1->n_scale - min_scale; count > 0; count--)
        *diffptr-- = *n1ptr--;
}
else
{
    /* n2 has the longer scale */
    for (count = n2->n_scale - min_scale; count > 0; count--)
    {
        val = - *n2ptr-- - borrow;
        if (val < 0)
        {
            val += BASE;
            borrow = 1;
        }
    }
    else
    {
        borrow = 0;
        *diffptr-- = val;
    }
}

/* Now do the equal length scale and integer parts. */
for (count = 0; count < min_len + min_scale; count++)
{
    val = *n1ptr-- - *n2ptr-- - borrow;
    if (val < 0)
    {
        val += BASE;
        borrow = 1;
    }
    else
    borrow = 0;
    *diffptr-- = val;
}

/* If n1 has more digits than n2, we now do that subtract. */
if (diff_len != min_len)
{
    for (count = diff_len - min_len; count > 0; count--)
    {
        val = *n1ptr-- - borrow;
        if (val < 0)
        {
            val += BASE;
            borrow = 1;
        }
        else
        borrow = 0;
        *diffptr-- = val;
    }
}

/* Clean up and return. */
_bc_rm_leading_zeros (diff);
return diff;

/* Here is the full subtract routine that takes care of negative numbers.
   N2 is subtracted from N1 and the result placed in RESULT. SCALE_MIN
   is the minimum scale for the result. */

void bc_sub (n1, n2, result, scale_min)
    bc_num n1, n2, *result;
    int scale_min;
{
    bc_num diff = NULL;
    int cmp_res;
    int res_scale;
if (n1->n_sign != n2->n_sign)
{
    diff = _bc_do_add (n1, n2, scale_min);
    diff->n_sign = n1->n_sign;
}
else
{
    /* subtraction must be done. */
    /* Compare magnitudes. */
    cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE);
    switch (cmp_res)
    {
    case -1:
        /* n1 is less than n2, subtract n1 from n2. */
        diff = _bc_do_sub (n2, n1, scale_min);
        diff->n_sign = (n2->n_sign == PLUS ? MINUS : PLUS);
        break;
    case 0:
        /* They are equal! return zero! */
        res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
        diff = bc_new_num (1, res_scale);
        memset (diff->n_value, 0, res_scale+1);
        break;
    case 1:
        /* n2 is less than n1, subtract n2 from n1. */
        diff = _bc_do_sub (n1, n2, scale_min);
        diff->n_sign = n1->n_sign;
        break;
    }
}

/* Clean up and return. */
broadcast_free_num (result);
*result = diff;

/* Here is the full add routine that takes care of negative numbers. */
N1 is added to N2 and the result placed into RESULT. SCALE_MIN
is the minimum scale for the result. */

void
bc_add (n1, n2, result, scale_min)
    bc_num n1, n2, *result;
    int scale_min;
{
    bc_num sum = NULL;

int cmp_res;
int res_scale;

if (n1->n_sign == n2->n_sign)
{
    sum = _bc_do_add (n1, n2, scale_min);
    sum->n_sign = n1->n_sign;
}
else
{
    /* subtraction must be done. */
    cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE); /* Compare magnitudes. */
    switch (cmp_res)
    {
    case -1:
        /* n1 is less than n2, subtract n1 from n2. */
        sum = _bc_do_sub (n2, n1, scale_min);
        sum->n_sign = n2->n_sign;
        break;
    case  0:
        /* They are equal! return zero with the correct scale! */
        res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
        sum = bc_new_num (1, res_scale);
        memset (sum->n_value, 0, res_scale+1);
        break;
    case  1:
        /* n2 is less than n1, subtract n2 from n1. */
        sum = _bc_do_sub (n1, n2, scale_min);
        sum->n_sign = n1->n_sign;
    }
}

/* Clean up and return. */
bc_free_num (result);
*result = sum;
}

/* Recursive vs non-recursive multiply crossover ranges. */
#if defined(MULDIGITS)
#include "muldigits.h"
#else
#define MUL_BASE_DIGITS 80
#endif

int mul_base_digits = MUL_BASE_DIGITS;
#define MUL_SMALL_DIGITS mul_base_digits/4

/* Multiply utility routines */
static bc_num

new_sub_num (length, scale, value)
    int length, scale;
    char *value;
{
    bc_num temp;

    if (_bc_Free_list != NULL) {
        temp = _bc_Free_list;
        _bc_Free_list = temp->n_next;
    } else {
        temp = (bc_num) malloc (sizeof(bc_struct));
        if (temp == NULL) bc_out_of_memory ()
    }
    temp->n_sign = PLUS;
    temp->n_len = length;
    temp->n_scale = scale;
    temp->n_refs = 1;
    temp->n_ptr = NULL;
    temp->n_value = value;
    return temp;
}

static void

.bc_simp_mul (bc_num n1, int n1len, bc_num n2, int n2len, bc_num *prod,
    int full_scale)
{
    char *n1ptr, *n2ptr, *pvptr;
    char *n1end, *n2end;/* To the end of n1 and n2. */
    int indx, sum, prodlen;

    prodlen = n1len+n2len+1;

    *prod = bc_new_num (prodlen, 0);

    n1end = (char *) (n1->n_value + n1len - 1);
    n2end = (char *) (n2->n_value + n2len - 1);
    pvptr = (char *) ((*prod)->n_value + prodlen - 1);
    sum = 0;

    /* Here is the loop... */
    for (indx = 0; indx < prodlen-1; indx++)
    {
        n1ptr = (char *) (n1end - MAX(0, indx-n2len+1));
        n2ptr = (char *) (n2end - MIN(indx, n2len-1));
        while ((n1ptr >= n1->n_value) && (n2ptr <= n2end))
            sum += *n1ptr-- * *n2ptr++;

*pvptr-- = sum % BASE;
  sum = sum / BASE;
}
*pvptr = sum;
}

/* A special adder/subtractor for the recursive divide and conquer
   multiply algorithm.  Note: if sub is called, accum must
   be larger that what is being subtracted.  Also, accum and val
   must have n_scale = 0.  (e.g. they must look like integers. *) */
static void
_bc_shift_addsub (bc_num accum, bc_num val, int shift, int sub)
{
  signed char *accp, *valp;
  int  count, carry;

  count = val->n_len;
  if (val->n_value[0] == 0)
    count--;
  assert (accum->n_len+accum->n_scale >= shift+count);

  /* Set up pointers and others */
  accp = (signed char *)(accum->n_value +
                        accum->n_len + accum->n_scale - shift - 1);
  valp = (signed char *)(val->n_value + val->n_len - 1);
  carry = 0;

  if (sub) {
    /* Subtraction, carry is really borrow. */
    while (count--) {
      *accp -= *valp-- + carry;
      if (*accp < 0) {
        carry = 1;
        *accp-- += BASE;
      } else {
        carry = 0;
        accp--;
      }
    }
    while (carry) {
      *accp -= carry;
      if (*accp < 0)
        *accp-- += BASE;
      else
        carry = 0;
    }
  } else {
    while (count) {
      *accp -= carry;
      if (*accp < 0)
        *accp-- += BASE;
      else
        carry = 0;
    }
  }
}
/* Addition */
while (count--) {
    *accp += *valp-- + carry;
    if (*accp > (BASE-1)) {
        carry = 1;
        *accp-- -= BASE;
    } else {
        carry = 0;
        accp--;
    }
} while (carry) {
    *accp += carry;
    if (*accp > (BASE-1))
        *accp-- -= BASE;
    else
        carry = 0;
}
}

/* Recursive divide and conquer multiply algorithm.
Based on
Let u = u0 + u1*(b^n)
Let v = v0 + v1*(b^n)
Then uv = (B^n2n+B^n)*u1*v1 + B^n*(u1-u0)*(v0-v1) + (B^n+1)*u0*v0

B is the base of storage, number of digits in u1,u0 close to equal.
*/
static void
_bc_rec_mul (bc_num u, int ulen, bc_num v, int vlen, bc_num *prod,
             int full_scale)
{
    bc_num u0, u1, v0, v1;
    int u0len, v0len;
    bc_num m1, m2, m3, d1, d2;
    int n, prodlen, m1zero;
    int d1len, d2len;

    /* Base case? */
    if ((ulen+vlen) < mul_base_digits
        || ulen < MUL_SMALL_DIGITS
        || vlen < MUL_SMALL_DIGITS ) {
        _bc_simp_mul (u, ulen, v, vlen, prod, full_scale);
        return;
    }

    /* Calculate n -- the u and v split point in digits. */
n = (MAX(ulen, vlen)+1) / 2;

/* Split u and v. */
if (ulen < n) {
    u1 = bc_copy_num (_zero_);
    u0 = new_sub_num (ulen, 0, u->n_value);
} else {
    u1 = new_sub_num (ulen-n, 0, u->n_value);
    u0 = new_sub_num (n, 0, u->n_value+ulen-n);
}
if (vlen < n) {
    v1 = bc_copy_num (_zero_);
    v0 = new_sub_num (vlen, 0, v->n_value);
} else {
    v1 = new_sub_num (vlen-n, 0, v->n_value);
    v0 = new_sub_num (n, 0, v->n_value+vlen-n);
}
_bc_rm_leading_zeros (u1);
_bc_rm_leading_zeros (u0);
u0len = u0->n_len;
_bc_rm_leading_zeros (v1);
_bc_rm_leading_zeros (v0);
v0len = v0->n_len;

m1zero = bc_is_zero(u1) || bc_is_zero(v1);

/* Calculate sub results ... */

bc_init_num(&d1);
bc_init_num(&d2);
bc_sub (u1, u0, &d1, 0);
d1len = d1->n_len;
bc_sub (v0, v1, &d2, 0);
d2len = d2->n_len;

/* Do recursive multiplies and shifted adds. */
if (m1zero)
    m1 = bc_copy_num (_zero_);
else
    _bc_rec_mul (u1, u1->n_len, v1, v1->n_len, &m1, 0);

if (bc_is_zero(d1) || bc_is_zero(d2))
    m2 = bc_copy_num (_zero_);
else
    _bc_rec_mul (d1, d1len, d2, d2len, &m2, 0);

if (bc_is_zero(u0) || bc_is_zero(v0))
m3 = bc_copy_num (_zero_);
else
    _bc_rec_mul (u0, u0->n_len, v0, v0->n_len, &m3, 0);

/* Initialize product */
prodlen = ulen+vlen+1;
*prod = bc_new_num(prodlen, 0);

if (!m1zero) {
    _bc_shift_addsub (*prod, m1, 2*n, 0);
    _bc_shift_addsub (*prod, m1, n, 0);
}
    _bc_shift_addsub (*prod, m3, n, 0);
    _bc_shift_addsub (*prod, m3, 0, 0);
    _bc_shift_addsub (*prod, m2, n, d1->n_sign != d2->n_sign);

/* Now clean up! */
bc_free_num (&u1);
broadcast (&u0);
broadcast (&v1);
broadcast (&m1);
broadcast (&v0);
broadcast (&m2);
broadcast (&m3);
broadcast (&d1);
broadcast (&d2);
}

/* The multiply routine.  N2 times N1 is put int PROD with the scale of 
the result being MIN(N2 scale+N1 scale, MAX (SCALE, N2 scale, N1 scale)). */
void
bc_multiply (n1, n2, prod, scale)
    bc_num n1, n2, *prod;
    int scale;
{
    bc_num pval;
int len1, len2;
int full_scale, prod_scale;

/* Initialize things. */
len1 = n1->n_len + n1->n_scale;
len2 = n2->n_len + n2->n_scale;
full_scale = n1->n_scale + n2->n_scale;
prod_scale = MIN(full_scale,MAX(scale,MAX(n1->n_scale,n2->n_scale)));

/* Do the multiply */
/* Assign to prod and clean up the number. */
pval->n_sign = (n1->n_sign == n2->n_sign ? PLUS : MINUS);
pval->n_value = pval->n_ptr;
pval->n_len = len2 + len1 + 1 - full_scale;
pval->n_scale = prod_scale;
_bc_rm_leading_zeros(pval);
if (bc_is_zero(pval))
    pval->n_sign = PLUS;
bc_free_num(prod);
*prod = pval;
}

/* Some utility routines for the divide: First a one digit multiply.
NUM (with SIZE digits) is multiplied by DIGIT and the result is
placed into RESULT. It is written so that NUM and RESULT can be
the same pointers. */

static void
_one_mult(num, size, digit, result)
    unsigned char *num;
    int size, digit;
    unsigned char *result;
{
    int carry, value;
    unsigned char *nptr, *rptr;

    if (digit == 0)
        memset(result, 0, size);
    else
    {
        if (digit == 1)
            memcpy(result, num, size);
        else
        {
            /* Initialize */
            nptr = (unsigned char*) (num + size - 1);
            rptr = (unsigned char*) (result + size - 1);
            carry = 0;

            while (size-- > 0)
            {
                value = *nptr-- * digit + carry;
                *rptr-- = value % BASE;
                carry = value / BASE;
            }
    }
if (carry != 0) *rptr = carry;
}
}
}

/* The full division routine. This computes N1 / N2. It returns 0 if the division is ok and the result is in QUOT. The number of digits after the decimal point is SCALE. It returns -1 if division by zero is tried. The algorithm is found in Knuth Vol 2. p237. */

int
bc_divide (n1, n2, quot, scale)
    bc_num n1, n2, *quot;
    int scale;
{
    bc_num qval;
    unsigned char *num1, *num2;
    unsigned char *ptr1, *ptr2, *n2ptr, *qptr;
    int scale1, val;
    unsigned int len1, len2, scale2, qdigits, extra, count;
    unsigned int qdig, qguess, borrow, carry;
    unsigned char *mval;
    char zero;
    unsigned int norm;

    /* Test for divide by zero. */
    if (bc_is_zero (n2)) return -1;

    /* Test for divide by 1. If it is we must truncate. */
    if (n2->n_scale == 0)
    {
        if (n2->n_len == 1 && *n2->n_value == 1)
        {
            qval = bc_new_num (n1->n_len, scale);
            qval->n_sign = (n1->n_sign == n2->n_sign ? PLUS : MINUS);
            memset (&qval->n_value[n1->n_len],0,scale);
            memcpy (qval->n_value, n1->n_value,
                n1->n_len + MIN(n1->n_scale,scale));
            bc_free_num (quot);
            *quot = qval;
            }  
        }

    /* Set up the divide. Move the decimal point on n1 by n2's scale. Remember, zeros on the end of num2 are wasted effort for dividing. */
    scale2 = n2->n_scale;
    n2ptr = (unsigned char *) n2->n_value+n2->n_len+scale2-1;
while ((scale2 > 0) && (*n2ptr-- == 0)) scale2--;

len1 = n1->n_len + scale2;
scale1 = n1->n_scale - scale2;
if (scale1 < scale)
    extra = scale - scale1;
else
    extra = 0;
num1 = (unsigned char *) malloc (n1->n_len+n1->n_scale+extra+2);
if (num1 == NULL) bc_out_of_memory();
memcpy (num1, 0, n1->n_len+n1->n_scale+extra+2);
memset (num1+1, n1->n_value, n1->n_len+n1->n_scale);

len2 = n2->n_len + scale2;
num2 = (unsigned char *) malloc (len2+1);
if (num2 == NULL) bc_out_of_memory();
memcpy (num2, n2->n_value, len2);
*(num2+len2) = 0;
n2ptr = num2;
while (*n2ptr == 0)
{
    n2ptr++;
    len2--;
}

/* Calculate the number of quotient digits. */
if (len2 > len1+scale)
{
    qdigits = scale+1;
    zero = TRUE;
}
else
{
    zero = FALSE;
    if (len2>len1)
        qdigits = scale+1; /* One for the zero integer part. */
    else
        qdigits = len1-len2+scale+1;
}

/* Allocate and zero the storage for the quotient. */
qval = bc_new_num (qdigits-scale, scale);
memset (qval->n_value, 0, qdigits);

/* Allocate storage for the temporary storage mval. */
mval = (unsigned char *) malloc (len2+1);
if (mval == NULL) bc_out_of_memory();
/* Now for the full divide algorithm. */
if (!zero)
{
    /* Normalize */
    norm = 10 / ((int)*n2ptr + 1);
    if (norm != 1)
    {
        _one_mult (num1, len1+scale1+extra+1, norm, num1);
        _one_mult (n2ptr, len2, norm, n2ptr);
    }

    /* Initialize divide loop. */
    qdig = 0;
    if (len2 > len1)
        qptr = (unsigned char *) qval->n_value+len2-len1;
    else
        qptr = (unsigned char *) qval->n_value;

    /* Loop */
    while (qdig <= len1+scale-len2)
    {
        /* Calculate the quotient digit guess. */
        if (*n2ptr == num1[qdig])
            qguess = 9;
        else
            qguess = (num1[qdig]*10 + num1[qdig+1]) / *n2ptr;

        /* Test qguess. */
        if (n2ptr[1]*qguess >
            (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
            + num1[qdig+2])
        {
            qguess--;
            /* And again. */
            if (n2ptr[1]*qguess >
                (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
                + num1[qdig+2])
                qguess--;
        }

        /* Multiply and subtract. */
        borrow = 0;
        if (qguess != 0)
        {
            *mval = 0;
            _one_mult (n2ptr, len2, qguess, mval+1);
            ptr1 = (unsigned char *) num1+qdig+len2;
            ptr2 = (unsigned char *) mval+len2;
        }
    }
for (count = 0; count < len2+1; count++)
{
    val = (int) *ptr1 - (int) *ptr2-- - borrow;
    if (val < 0)
    {
        val += 10;
        borrow = 1;
    } else
        borrow = 0;
    *ptr1-- = val;
}
/* Test for negative result. */
if (borrow == 1)
{
    qguess--; 
    ptr1 = (unsigned char *) num1+qdig+len2;
    ptr2 = (unsigned char *) n2ptr+len2-1;
    carry = 0;
    for (count = 0; count < len2; count++)
    {
        val = (int) *ptr1 + (int) *ptr2-- + carry;
        if (val > 9)
        {
            val -= 10;
            carry = 1;
        } else
            carry = 0;
        *ptr1-- = val;
    }
    if (carry == 1) *ptr1 = (*ptr1 + 1) % 10;
}
/* We now know the quotient digit. */
*qptr++ =  qguess;
qdig++;
}
/* Clean up and return the number. */
qval->n_sign = ( n1->n_sign == n2->n_sign ? PLUS : MINUS );
if (bc_is_zero (qval)) qval->n_sign = PLUS;
_bc_rm_leading_zeros (qval);
bc_free_num (quot);
*quot = qval;
/ * Clean up temporary storage. */
free (mval);
free (num1);
free (num2);

return 0; /* Everything is OK. */
}

/* Division *and* modulo for numbers. This computes both NUM1 / NUM2 and NUM1 % NUM2 and puts the results in QUOT and REM, except that if QUOT is NULL then that store will be omitted. */

int
bc_divmod (num1, num2, quot, rem, scale)
   bc_num num1, num2, *quot, *rem;
   int scale;
{
   bc_num quotient = NULL;
   bc_num temp;
   int rscale;

   /* Check for correct numbers. */
   if (bc_is_zero (num2)) return -1;

   /* Calculate final scale. */
   rscale = MAX (num1->n_scale, num2->n_scale+scale);
   bc_init_num(&temp);

   /* Calculate it. */
   bc_divide (num1, num2, &temp, scale);
   if (quot)
      quotient = bc_copy_num (temp);
   bc_multiply (temp, num2, &temp, rscale);
   bc_sub (num1, temp, rem, rscale);
   bc_free_num (&temp);

   if (quot)
      {
         bc_free_num (quot);
         *quot = quotient;
      }

   return 0; /* Everything is OK. */
}
/* Modulo for numbers. This computes NUM1 % NUM2 and puts the
result in RESULT.  */

int
bc_modulo (num1, num2, result, scale)
  bc_num num1, num2, *result;
  int scale;
{
  return bc_divmod (num1, num2, NULL, result, scale);
}

/* Raise BASE to the EXPO power, reduced modulo MOD. The result is
placed in RESULT. If a EXPO is not an integer,
only the integer part is used. */

int
bc raisemod (base, expo, mod, result, scale)
  bc_num base, expo, mod, *result;
  int scale;
{
  bc_num power, exponent, parity, temp;
  int rscale;

  /* Check for correct numbers. */
  if (bc_is_zero(mod)) return -1;
  if (bc_is_neg(expo)) return -1;

  /* Set initial values. */
  power = bc_copy_num (base);
  exponent = bc_copy_num (expo);
  temp = bc_copy_num (_one_);
  bc_init_num(&parity);

  /* Check the base for scale digits. */
  if (base->n_scale != 0)
    bc_rt_warn ("non-zero scale in base");

  /* Check the exponent for scale digits. */
  if (exponent->n_scale != 0)
  {
    bc_rt_warn ("non-zero scale in exponent");
    bc_divide (exponent, _one_, &exponent, 0); /*truncate */
  }

  /* Check the modulus for scale digits. */
  if (mod->n_scale != 0)
    bc_rt_warn ("non-zero scale in modulus");
/* Do the calculation. */
rscale = MAX(scale, base->n_scale);
while ( !bc_is_zero(exponent) )
{
    (void) bc_divmod (exponent, _two_, &exponent, &parity, 0);
    if ( !bc_is_zero(parity) )
    {
        bc_multiply (temp, power, &temp, rscale);
        (void) bc_modulo (temp, mod, &temp, scale);
    }
    bc_multiply (power, power, &power, rscale);
    (void) bc_modulo (power, mod, &power, scale);
}

/* Assign the value. */
bc_free_num (&power);
bc_free_num (&exponent);
bc_free_num (result);
*result = temp;
return 0;/* Everything is OK. */
}

/* Raise NUM1 to the NUM2 power. The result is placed in RESULT.  
   Maximum exponent is LONG_MAX. If a NUM2 is not an integer, 
   only the integer part is used. */

void
bc_raise (num1, num2, result, scale)
    bc_num num1, num2, *result;
    int scale;
{
    bc_num temp, power;
    long exponent;
    int rscale;
    int pwrscale;
    int calcscale;
    char neg;

    /* Check the exponent for scale digits and convert to a long. */
    if (num2->n_scale != 0)
        bc_rt_warn("non-zero scale in exponent");
    exponent = bc_num2long (num2);
    if (exponent == 0 || (num2->n_len > 1 || num2->n_value[0] != 0))
        bc_rt_error("exponent too large in raise");

    /* Special case if exponent is a zero. */
if (exponent == 0)
{
    bc_free_num (result);
    *result = bc_copy_num (_one_);
    return;
}

/* Other initializations. */
if (exponent < 0)
{
    neg = TRUE;
    exponent = -exponent;
    rscale = scale;
}
else
{
    neg = FALSE;
    rscale = MIN (num1->n_scale*exponent, MAX(scale, num1->n_scale));
}

/* Set initial value of temp. */
power = bc_copy_num (num1);
pwrscale = num1->n_scale;
while ((exponent & 1) == 0)
{
    pwrscale = 2*pwrscale;
    bc_multiply (power, power, &power, pwrscale);
    exponent = exponent >> 1;
}
temp = bc_copy_num (power);
calcscale = pwrscale;
exponent = exponent >> 1;

/* Do the calculation. */
while (exponent > 0)
{
    pwrscale = 2*pwrscale;
    bc_multiply (power, power, &power, pwrscale);
    if ((exponent & 1) == 1) {
        calcscale = pwrscale + calcscale;
        bc_multiply (temp, power, &temp, calcscale);
    }
    exponent = exponent >> 1;
}

/* Assign the value. */
if (neg)
{

bc_divide (_one_, temp, result, rscale);
bcb_free_num (&temp);
} else {
    bc_free_num (result);
    *result = temp;
    if ((*result)->n_scale > rscale)
        (*result)->n_scale = rscale;
} bc_free_num (&power);
}

/* Take the square root NUM and return it in NUM with SCALE digits after the decimal place. */

int
bc_sqrt (num, scale)
    bc_num *num;
    int scale;
{
    int rscale, cmp_res, done;
    int cscale;
    bc_num guess, guess1, point5, diff;

    /* Initial checks. */
    cmp_res = bc_compare (*num, _zero_);
    if (cmp_res < 0)
        return 0;/* error */
    else {
        if (cmp_res == 0)
            {
                bc_free_num (num);
                *num = bc_copy_num (_zero_);
                return 1;
            }
        cmp_res = bc_compare (*num, _one_);
        if (cmp_res == 0)
            {
                bc_free_num (num);
                *num = bc_copy_num (_one_);
                return 1;
            }
        /* Initialize the variables. */
        rscale = MAX (scale, (*num)->n_scale);
    }
/* Take the square root NUM and return it in NUM with SCALE digits after the decimal place. */

int
bc_sqrt (num, scale)
    bc_num *num;
    int scale;
{
    int rscale, cmp_res, done;
    int cscale;
    bc_num guess, guess1, point5, diff;

    /* Initial checks. */
    cmp_res = bc_compare (*num, _zero_);
    if (cmp_res < 0)
        return 0;/* error */
    else {
        if (cmp_res == 0)
            {
                bc_free_num (num);
                *num = bc_copy_num (_zero_);
                return 1;
            }
        cmp_res = bc_compare (*num, _one_);
        if (cmp_res == 0)
            {
                bc_free_num (num);
                *num = bc_copy_num (_one_);
                return 1;
            }
        /* Initialize the variables. */
        rscale = MAX (scale, (*num)->n_scale);
bc_init_num(&guess);
broadcast(&guess1);
broadcast(&diff);
point5 = bc_new_num(1,1);
point5->n_value[1] = 5;

/* Calculate the initial guess. */
if (cmp_res < 0)
    { /* The number is between 0 and 1. Guess should start at 1. */
      guess = broadcast(_one_);
      cscale = (*num)->n_scale;
    }
else
    { /* The number is greater than 1. Guess should start at 10^(exp/2). */
      bc_int2num(&guess,10);

      bc_int2num(&guess1,(num)->n_len);
      bc_multiply(guess1,point5,&guess1,0);
      guess1->n_scale = 0;
      bc_raise(guess,guess1,&guess,0);
      bc_free_num(&guess1);
      cscale = 3;
    }

/* Find the square root using Newton's algorithm. */
done = FALSE;
while (!done)
    {
      bc_free_num(&guess1);
      guess1 = broadcast(guess);
      bc_divide(*num,guess,&guess,cscale);
      bc_add(guess,guess1,&guess,0);
      bc_multiply(guess,point5,&guess,cscale);
      bc_sub(guess,guess1,&diff,cscale+1);
      if (bc_is_near_zero(diff,cscale))
        {
          if (cscale < rscale+1)
            cscale = MIN(cscale*3,rscale+1);
          else
            done = TRUE;
        }
    }

/* Assign the number and clean up. */
broadcast(num);
bc_divide (guess, _one_, num, rscale);
bc_free_num (&guess);
bc_free_num (&guess1);
bc_free_num (&point5);
bc_free_num (&diff);
return 1;
}

/* The following routines provide output for bcd numbers package 
   using the rules of POSIX bc for output. */

/* This structure is used for saving digits in the conversion process. */
typedef struct stk_rec {
    long digit;
    struct stk_rec *next;
} stk_rec;

/* The reference string for digits. */
static char ref_str[] = "0123456789ABCDEF";

/* A special output routine for "multi-character digits." Exactly 
   SIZE characters must be output for the value VAL. If SPACE is 
   non-zero, we must output one space before the number. OUT_CHAR
   is the actual routine for writing the characters. */

void
bc_out_long (val, size, space, out_char)
    long val;
    int size, space;
#ifdef __STDC__
    void (*out_char)(int);
#else
    void (*out_char)();
#endif
{
    char digits[40];
    int len, ix;

    if (space) (*out_char)(' ');
    sprintf (digits, "%ld", val);
    len = strlen (digits);
    while (size > len)
    {
        (*out_char)('0');
        size--;
    }
for (ix=0; ix < len; ix++)
    (*out_char) (digits[ix]);
}

/* Output of a bcd number.  NUM is written in base O_BASE using OUT_CHAR
   as the routine to do the actual output of the characters. */

void
bc_out_num (num, o_base, out_char, leading_zero)
    bc_num num;
    int o_base;
#ifdef __STDC__
    void (*out_char)(int);
#else
    void (*out_char)();
#endif
    int leading_zero;
{
    char *nptr;
    int index, fdigit, pre_space;
    stk_rec *digits, *temp;
    bc_num int_part, frac_part, base, cur_dig, t_num, max_o_digit;

    /* The negative sign if needed. */
    if (num->n_sign == MINUS) (*out_char) ('-');

    /* Output the number. */
    if (bc_is_zero (num))
        (*out_char) ('0');
    else
        if (o_base == 10)
            {
                /* The number is in base 10, do it the fast way. */
                nptr = num->n_value;
                if (num->n_len > 1 || *nptr != 0)
                    for (index=num->n_len; index>0; index--)
                        (*out_char) (BCD_CHAR(*nptr++));
                else
                    nptr++;

                if (leading_zero && bc_is_zero (num))
                    (*out_char) ('0');

                /* Now the fraction. */
                if (num->n_scale > 0)
                    {
                        (*out_char) ('.');
                        for (index=0; index<num->n_scale; index++)
(*out_char) (BCD_CHAR(*nptr++));
}
}
else
{
/* special case ... */
if (leading_zero && bc_is_zero (num))
  (*out_char) ('0');

/* The number is some other base. */
digits = NULL;
bc_init_num (&int_part);
bc_divide (num, _one_, &int_part, 0);
bc_init_num (&frac_part);
bc_init_num (&cur_dig);
bc_init_num (&base);
bc_sub (num, int_part, &frac_part, 0);
/* Make the INT_PART and FRAC_PART positive. */
int_part->n_sign = PLUS;
frac_part->n_sign = PLUS;
bc_int2num (&base, o_base);
bc_init_num (&max_o_digit);
between (&max_o_digit, o_base-1);

/* Get the digits of the integer part and push them on a stack. */
while (!bc_is_zero (int_part))
{
  bc_modulo (int_part, base, &cur_dig, 0);
temp = (stk_rec *) malloc (sizeof(stk_rec));
if (temp == NULL) bc_out_of_memory();
temp->digit = bc_num2long (cur_dig);
temp->next = digits;
digits = temp;
between (int_part, base, &int_part, 0);
}

/* Print the digits on the stack. */
if (digits != NULL)
{
  /* Output the digits. */
  while (digits != NULL)
  {
    temp = digits;
digits = digits->next;
if (o_base <= 16)
  (*out_char) (ref_str[ (int) temp->digit]);
else
bc_out_long (temp->digit, max_o_digit->n_len, 1, out_char);
free (temp);
}
}

/* Get and print the digits of the fraction part. */
if (num->n_scale > 0)
{
    (*out_char) ('.);
    pre_space = 0;
    t_num = bc_copy_num (_one_);
    while (t_num->n_len <= num->n_scale) {
        bc_multiply (frac_part, base, &frac_part, num->n_scale);
        fdigit = bc_num2long (frac_part);
        bc_int2num (&int_part, fdigit);
        bc_sub (frac_part, int_part, &frac_part, 0);
        if (o_base <= 16)
            (*out_char) (ref_str[fdigit]);
        else {
            bc_out_long (fdigit, max_o_digit->n_len, pre_space, out_char);
            pre_space = 1;
        }
        bc_multiply (t_num, base, &t_num, 0);
    }
    bc_free_num (&t_num);
}

/* Clean up. */
bc_free_num (&int_part);
bc_free_num (&frac_part);
bc_free_num (&base);
bc_free_num (&cur_dig);
bc_free_num (&max_o_digit);
}

/* Convert a number NUM to a long. The function returns only the integer part of the number. For numbers that are too large to represent as a long, this function returns a zero. This can be detected by checking the NUM for zero after having a zero returned. */

long
bc_num2long (num)
    bc_num num;
{
    long val;
    char *nptr;
    int  index;
/* Extract the int value, ignore the fraction. */
val = 0;
nptr = num->n_value;
for (index=num->n_len; (index>0) && (val<=(LONG_MAX/BASE)); index--)
    val = val*BASE + *nptr++;

/* Check for overflow. If overflow, return zero. */
if (index>0) val = 0;
if (val < 0) val = 0;

/* Return the value. */
if (num->n_sign == PLUS)
    return (val);
else
    return (-val);
}

/* Convert an integer VAL to a bc number NUM. */

void
bc_int2num (num, val)
    bc_num *num;
    int val;
{
    char buffer[30];
    char *bptr, *vptr;
    int ix = 1;
    char neg = 0;

    /* Sign. */
    if (val < 0)
    {
        neg = 1;
        val = -val;
    }

    /* Get things going. */
bptr = buffer;
    *bptr++ = val % BASE;
    val = val / BASE;

    /* Extract remaining digits. */
    while (val != 0)
    {
        *bptr++ = val % BASE;
        val = val / BASE;
        ix++; /* Count the digits. */
    }

    /* Sign. */
    if (neg)
    {
        /* Extract remaining digits. */
        while (val != 0)
        {
            *bptr++ = val % BASE;
            val = val / BASE;
            ix++; /* Count the digits. */
        }

        /* Get things going. */
bptr = buffer;
        *bptr++ = val % BASE;
        val = val / BASE;

        /* Extract remaining digits. */
        while (val != 0)
        {
            *bptr++ = val % BASE;
            val = val / BASE;
            ix++; /* Count the digits. */
        }
    }

    /* Extract remaining digits. */
    while (val != 0)
    {
        *bptr++ = val % BASE;
        val = val / BASE;
        ix++; /* Count the digits. */
    }

    /* Check for overflow. If overflow, return zero. */
    if (index>0) val = 0;
    if (val < 0) val = 0;

    /* Return the value. */
    if (num->n_sign == PLUS)
        return (val);
    else
        return (-val);
}
/* Make the number. */
bc_free_num (num);
*num = bc_new_num (ix, 0);
if (neg) (*num)->n_sign = MINUS;

/* Assign the digits. */
vptr = (*num)->n_value;
while (ix-- > 0)
    *vptr++ = *--bptr;

/* Convert a numbers to a string. Base 10 only. */

char
*num2str (num)
    bc_num num;
{
    char *str, *sptr;
    char *nptr;
    int  index, signch;

    /* Allocate the string memory. */
    signch = ( num->n_sign == PLUS ? 0 : 1 ); /* Number of sign chars. */
    if (num->n_scale > 0)
        str = (char *) malloc (num->n_len + num->n_scale + 2 + signch);
    else
        str = (char *) malloc (num->n_len + 1 + signch);
    if (str == NULL) bc_out_of_memory();

    /* The negative sign if needed. */
    sptr = str;
    if (signch) *sptr++ = '-';

    /* Load the whole number. */
    nptr = num->n_value;
    for (index=num->n_len; index>0; index--)
        *sptr++ = BCD_CHAR(*nptr++);

    /* Now the fraction. */
    if (num->n_scale > 0)
    {
        *sptr++ = '.';
        for (index=0; index<num->n_scale; index++)
            *sptr++ = BCD_CHAR(*nptr++);
    }
/* Terminate the string and return it! */
*sptr = '\0';
return (str);
}

/* Convert strings to bc numbers. Base 10 only. */

void bc_str2num (num, str, scale)
    bc_num *num;
    char *str;
    int scale;
{
    int digits, strscale;
    char *ptr, *nptr;
    char zero_int;

    /* Prepare num. */
    bc_free_num (num);

    /* Check for valid number and count digits. */
    ptr = str;
    digits = 0;
    strscale = 0;
    zero_int = FALSE;
    if ( (*ptr == '+') || (*ptr == '-'))  ptr++;  /* Sign */
    while (*ptr == '0') ptr++;			/* Skip leading zeros. */
    while (isdigit((int)*ptr)) ptr++, digits++;	/* digits */
    if (*ptr == '.') ptr++;			/* decimal point */
    while (isdigit((int)*ptr)) ptr++, strscale++;	/* digits */
    if ((*ptr != '\0') || (digits+strscale == 0))
    {
        *num = bc_copy_num (_zero_);
        return;
    }

    /* Adjust numbers and allocate storage and initialize fields. */
    strscale = MIN(strscale, scale);
    if (digits == 0)
    {
        zero_int = TRUE;
        digits = 1;
    }
    *num = bc_new_num (digits, strscale);

    /* Build the whole number. */
    ptr = str;
    if (*ptr == '-')
    {

/* Build the fractional part. */
if (strscale > 0)
{
    ptr++; /* skip the decimal point! */
    for (;strscale > 0; strscale--)
        *nptr++ = CH_VAL(*ptr++);
}

/* pn prints the number NUM in base 10. */
static void
out_char (int c)
{
    putchar(c);
}

void
pn (num)
    bc_num num;
{
    bc_out_num (num, 10, out_char, 0);
    out_char ('n');
}

/* pv prints a character array as if it was a string of bcd digits. */
void
pv (name, num, len)
    char *name;
    unsigned char *num;
    int len;
{
    int i;
    printf ("%s=", name);
    for (i=0; i<len; i++) printf ("%c", BCD_CHAR(num[i]));
    printf ("n");
}

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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1.1058 redisson-all 2.15.2

1.1058.1 Available under license:

# Jackson JSON processor

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1.1059 kmod 20 25.el7

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Theodore Ts'o
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/AppDelegate.swift
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-SwiftTests/Example_SwiftTests.swift
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift-Bridging-Header.h

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/BarButtonItemViewController.h
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Pod::Spec.new do |s|
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = "A beautiful button copy from Path®"

  s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®.
Since Path® 4.0, it return to use a tab bar instead of a side bar,
and also change the menu button. So I try to implement it and then
the DCPathButton born :) 
DESC

  s.homepage = "https://github.com/Tangdixi/DCPathButton"

  s.license = {
    :type => 'MIT',
    :text => 'The DCPathButton use the MIT license'
  }

  s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

</label opaque="NO" clipsSubviews="YES" userInteractionEnabled="NO" contentMode="left" horizontalHuggingPriority="251" verticalHuggingPriority="251" text="Copyright (c) 2015 DC. All rights reserved." textAlignment="center" lineBreakMode="tailTruncation" baselineAdjustment="alignBaselines" minimumFontSize="9" translatesAutoresizingMaskIntoConstraints="NO" id="8ie-xW-0ye"
s.platform     = :ios, '7.0'

s.source       = {
  :git => "https://github.com/Tangdixi/DCPathButton.git",
  :tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources  = ['DCPathButton/Sounds/*']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

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    DCPathButton-39be410/DCPathButton.podspec
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    DCPathButton-39be410/Example/Pods/Target Support Files/Pods/Pods-acknowledgements.markdown
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    DCPathButton-39be410/README.md
  * /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
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DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/ExampleTests/ExampleTests.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.h
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.h
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/AppDelegate.m
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1.1066 json-resource 21.0.0-alpha-23
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Modifications: Added cronjob, configuration file, and man pages.

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
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------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

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If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
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My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Fryster <vapier@ge...> - 2008-10-05 21:27
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yes. go for it. thanks++

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the
interests of wider acceptance and more modern licensing, it was switched with
the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed
as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address
that was used at the time. For any future emails regarding this, please
use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtp020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
  for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
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

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From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

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Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
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SMTPSVC(6.0.3790.3959);
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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-ipv5.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 l91Gxtrp020623
 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>  
> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>  
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The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.1073 glibc 2.12.2
1.1073.1 Available under license:

GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

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freedom to share and change it. By contrast, the GNU General Public
License is intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. This
General Public License applies to most of the Free Software
Foundation's software and to any other program whose authors commit to
using it. (Some other Free Software Foundation software is covered by
the GNU Library General Public License instead.) You can apply it to
to your programs, too.

When we speak of free software, we are referring to freedom, 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 or use pieces of it
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distribute copies of the software, or if you modify it.

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gratis or for a fee, you must give the recipients all the rights that
you have. You must make sure that they, too, receive or can get the
source code. And you must show them these terms so they know their
rights.

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(2) offer you this license which gives you legal permission to copy,
distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain
that everyone understands that there is no warranty for this free
software. If the software is modified by someone else and passed on, we
want its recipients to know that what they have is not the original, so
that any problems introduced by others will not reflect on the original
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Version 2.1, February 1999

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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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its purpose remains meaningful.

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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.

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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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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zip/com/zaxxer/hikari/pool/HikariPool.java
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  zip/com/zaxxer/hikari/HikariConfig.java
1.1082 at 3.1.13

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In August 2009 the upstream development and Debian packaging were taken over by Ansgar Burchardt <ansgar@debian.org> and Cyril Brulebois <kibi@debian.org>.

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1.1085 jackson-annotations 2.11.1

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</p>

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<OL TYPE="a">

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<P>
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</OL>

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<H3>How to Apply These Terms to Your New Libraries</H3>

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</pre>

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signature of Ty Coon, 1 April 1990
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   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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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1.1089 bouncycastle-fips 1.0.5

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1.1090 sed 4.2.2 5.el7

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L. Peter Deutsch
ghost@aladdin.com

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* _setjmp in setjmp.S */
* setjmp in setjmp.S */

From gsf@research.att.com  Wed Mar  1 20:30:54 2006
Return-Path: <gsf@research.att.com>
X-Original-To: mps@bridge.intra
Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])
by localhost (Postfix) with ESMTP id B8C814E4F
for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)
Received: from mail.bridge.intra ([127.0.0.1])
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Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)
From: Glenn Fowler <gsf@research.att.com>
Message-Id: <200603011923.OAA86112@raptor.research.att.com>
Organization: AT&T Research
X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>
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using # comment style to be complete

let me know how it works with your libc
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:
> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/internal/package-info.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/socket/OioDatagramChannelConfig.java

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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/group/ChannelGroup.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/socket/io/OioSocketChannelConfig.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
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jar/io/netty/channel/DefaultAddressedEnvelope.java
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jar/io/netty/channel/group/ChannelMatchers.java
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jar/io/netty/channel/group/ChannelGroupException.java

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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/group/PreferHeapByteBufAllocator.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [ @link ChannelPipeline].
 *
 * <h3>Sub-types</h3>
 * <p>
 * [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[ @link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[ @link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <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>
 * <p>
 * A [ @link ChannelHandler] is provided with a [ @link ChannelHandlerContext]
 * object. A [ @link ChannelHandler] is supposed to interact with the
 * [ @link ChannelPipeline] it belongs to via a context object. Using the
 * context object, the [ @link ChannelHandler] can pass events upstream or
 */
downstream, modify the pipeline dynamically, or store the information
(using [@link AttributeKey]s) which is specific to the handler.

State management

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

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

public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else (message instanceof GetDataMessage) {
            if (loggedIn){
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }

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

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:
* <h4>Using `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 `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")`;
    ...
  }
  ```

  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();
    ...
  }
  ```

*
In the example above which used an \link{AttributeKey}, you might have noticed the \code{\Sharable} annotation. If a \link{ChannelHandler} is annotated with the \code{\Sharable} annotation, it means you can create an instance of the handler just once and add it to one or more \link{ChannelPipeline}s multiple times without a race condition. If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables. This annotation is provided for documentation purpose, just like \href{http://www.javaconcurrencyinpractice.com/annotations/doc/}{the JCIP annotations}. Additional resources worth reading

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

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1.1104 **jackson-databind 2.11.1**

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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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1.1105 tdb unknown

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Version 3, 29 June 2007

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1.1106 javax-annotation-api 1.2

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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned intnfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLRWBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/*
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/*

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) ((int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1))
#define WTERMSIG(w) ((int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1))
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

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    http://www.ijs.si/software/snprintf/   .

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    src/preproc/grn/gprint.h
    src/preproc/grn/hdb.cpp
    src/preproc/grn/hgraph.cpp
    src/preproc/grn/hpoint.cpp
    src/preproc/grn/main.cpp
. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

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

    src/include/DviChar.h
    src/include/XFontName.h

    src/libs/libxutil/DviChar.c
    src/libs/libxutil/XFontName.c

Macro Packages
--------------

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

    tmac/doc.tmac
    tmac/doc-old.tmac
    tmac/doc-common
    tmac/doc-ditroff
    tmac/doc-nroff
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---------------------

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at

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

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The -me macro set, using the BSD license.

tmac/e.tmac
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1.1114 jackson-dataformat-yaml 2.11.2
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Version 2.1, February 1999

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/* Parts of this software have been adapted from the libpng package. Although this library supports all features from the PNG specification (as MNG descends from it) it does not require the libpng package. It does require the zlib library and optionally the IJG jpeg library and/or the "little-cms" library by Marti Maria (depending on the inclusion of support for JNG and Full-Color-Management respectively. */
/* This library's function is primarily to read and display MNG animations. It is not meant as a full-featured image-editing component! It does however offer creation and editing functionality */

---

Open Source Used In Cisco Unified Communication Manager 14SU2 12420
/* * at the chunk level.                                                                 * */
/* * (future modifications may include some more support for creation          * */
/* * and or editing)                                                              * */
/* *                                                                                     * */
/* ****************************************************************************** */

MNGPLG
A simple browser plug-in for the MNG image/animation file format.

By Jason Summers <jason1@pobox.com>
Web site: <http://pobox.com/~jason1/mngplg/>

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```c
#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com) *
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk) *
 * *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 *         interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 *         and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 *         loss of link, and correctly re-enable PHY when link is
 *         re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 */
```
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*      combined, allow nicstar_free_rx_skb to be called to
*      recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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*
* M. Welsh, 6 July 1996
*
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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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1.1136 orc 0.4.26 1.el7

1.1137 libsamplerate 0.1.7
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<title>Secret Rabbit Code (aka libsamplerate)</title>
<meta name="Author" content="Erik de Castro Lopo (erikd AT mega-nerd DOT com)">
<meta name="Version" content="libsamplerate-0.1.8">
<meta name="Description" content="The Secret Rabbit Code Home Page">
<meta name="Keywords" content="libsamplerate sound resample audio dsp Linux">
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</head>
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</center>
<!-- pepper -->

<!-- pepper -->
<br>
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<div class="nav">
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1.1138 libusb-compat 0.1.4-3.el7

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* rijndael-alg-fst.c
*
* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antonbosselaer.esat.kuleuven.ac.be>
* @author Paulo Barreto <paulobarreto@terra.com.br>
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src/qjson_debug.h
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src/qobjecthelper.cpp
src/serializer.cpp
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src/serializer.h
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tests/cmdline_tester/cmdline_tester.cpp
tests/cmdline_tester/cmdlineparser.cpp
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1.1149 lz4 1.7.5-3.el7

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ASM: a very small and fast Java bytecode manipulation framework

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* /opt/cola/permits/1258059314_1643027351.46/0/netty-codec-dns-4-1-33-final-sources-jar/META-INF/maven/io.netty/netty-codec-dns/pom.xml

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1.1160 pkix-ssh 12.5.1

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1.1161 axis2-adb 1.7.9

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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/support/DynamicMethodMatcher.java
* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/AopContext.java
* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/config/PointcutEntry.java
* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java
* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/RawTargetAccess.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/BeforeAdvice.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/SpringProxy.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/IntroductionInterceptor.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/config/AspectEntry.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/AopInfrastructureBean.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/AdvisedSupportListener.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/config/AspectComponentDefinition.java
  * /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/AopInfrastructureBean.java

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  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/aopalliance/intercept/ConstructorInterceptor.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectAdvisorFactory.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/aopalliance/intercept/ConstructorInvocation.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/config/AopConfigUtils.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
  */opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/framework/AdvisedSupport.java
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/throwsadvice/ThrowsAdvice.java
1.1168 dosfs-tools 3.0.20

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jQuery Migrate v3.0.1

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include/GL/glx.h :

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

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Version 2, June 1991
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Metadata-Version: 1.0
Name: pytoml
Version: 0.1.14
Summary: A parser for TOML-0.4.0
Home-page: https://github.com/avakar/pytoml
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*
* curve25519-donna: Curve25519 elliptic curve, public key function
*
* http://code.google.com/p/curve25519-donna/
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* Adam Langley <agl@imperialviolet.org>
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* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
*
* More information about curve25519 can be found here
* http://cr.yp.to/ecdh.html
*
* djb's sample implementation of curve25519 is written in a special assembly
* language called qhasm and uses the floating point registers.
*
* This is, almost, a clean room reimplementation from the curve25519 paper. It
* uses many of the tricks described therein. Only the cricp function is taken
* from the sample implementation.
*/

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

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

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

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

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

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

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

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

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

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

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

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

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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application-supplied function or table used by this function must
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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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wpa_supplicant and hostapd

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**
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**  ** 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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SQLite Consortium Launches With Mozilla And Symbian As Charter Members

Ensures independent technical direction for world's most deployed SQL database engine

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.

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.

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.

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 SQL 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/.

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.

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http://www.sqlite.org/
Tel: +1.704.948.4565

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CONTACT INFORMATION:
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Jessica Waight
Tel: +1.415.345.4754
Email: jwaight@outcastpr.com

About Symbian Limited
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.

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# from which this code was extracted. This warning applies to this one
# file only - not the bulk of the SQLite source code and tests.
#
#******************************************************************************
#
# This file contains large and complex schemas obtained from open-source
# software projects. The schemas are parsed just to make sure that nothing
# breaks in the parser logic.
#
# These tests merely verify that the parse occurs without error.
# No attempt is made to verify correct operation of the resulting schema
# and statements.
#
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_lastmodifiedate 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 'T' CHECK (t_action IN ('T', '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_rate FLOAT NOT NULL CHECK (f_rate>=0), t_income_value_date_mode VARCHAR(1) NOT NULL DEFAULT 'F' CHECK (t_income_value_date_mode IN ('F', '0', '1', '2', '3', '4', '5')), t_expenditure_value_date_mode VARCHAR(1) NOT NULL DEFAULT 'F' CHECK (t_expenditure_value_date_mode IN ('F', '0', '1', '2', '3', '4', '5')), t_base VARCHAR(3) NOT NULL DEFAULT '24' CHECK (t_base IN ('24', '360', '365')));
CREATE TABLE operation (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, i_group_id INTEGER NOT NULL DEFAULT 0, i_number INTEGER DEFAULT 0 CHECK (i_number>=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 ",", r_recurrence_id INTEGER NOT NULL DEFAULT 0, r_recurrentoperation_id INTEGER NOT NULL DEFAULT 0, r_template VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (r_template IN ('Y', 'N')));
CREATE TABLE operationbalance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, f_balance FLOAT NOT NULL DEFAULT 0, r_operation_id INTEGER NOT NULL DEFAULT 0);
CREATE TABLE refund (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')));
CREATE TABLE payee (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')));
CREATE TABLE operationoperation (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, i_group_id INTEGER NOT NULL DEFAULT 0, i_number INTEGER DEFAULT 0 CHECK (i_number>=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_uni_unit_id INTEGER NOT NULL, t_status VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_status IN ('N', 'P', 'Y')));
CREATE TABLE operationoperationitem (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_operation_id INTEGER NOT NULL, i_object_id INTEGER NOT NULL, t_object_table TEXT NOT NULL DEFAULT ",", t_action VARCHAR(1) NOT NULL DEFAULT 'T' CHECK (t_action IN ('T', 'U', 'D')), t_sqlorder TEXT NOT NULL DEFAULT ",");
CREATE TABLE operationoperationmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_operation_id INTEGER NOT NULL, t_message TEXT NOT NULL DEFAULT ",", t_popup VARCHAR(1) DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));
CREATE TABLE operationoperationvalue (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_operation_id INTEGER NOT NULL, i_object_id INTEGER NOT NULL, t_object_table TEXT NOT NULL DEFAULT ",", t_action VARCHAR(1) NOT NULL DEFAULT 'T' CHECK (t_action IN ('T', 'U', 'D')), t_sqlorder TEXT NOT NULL DEFAULT ",");
CREATE TABLE operationoperationmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_operation_id INTEGER NOT NULL, t_message TEXT NOT NULL DEFAULT ",", t_popup VARCHAR(1) DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));
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_account_type ON account(t_type);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_operation_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_tmp1_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx_operation_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx_operation_i_number ON operation (i_number);
CREATE INDEX idx_operation_i_tmp ON operation (i_tmp);
CREATE INDEX idx_operation_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_rc_unit_id ON operation (rc_unit_id);
CREATE INDEX idx_operation_t_status ON operation (t_status);
CREATE INDEX idx_operation_t_template ON operation (t_template);
CREATE INDEX idx_operation_d_date ON operation (d_date);
CREATE INDEX idx_operationbalance_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 utilisé 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 utilisé 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 utilisé 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 utilisé 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 détruire un objet (category est utilisé 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 utilisé 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 utilisé 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_target_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de détruire un objet (category est utilisé 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 utilisé par budgetrule)
Nom de la contrainte : fki_category_category_rd_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_category_category_rd_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budgetrule)
Nom de la contrainte : fku_category_category_rd_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_category_category_rd_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de détruire un objet (category est utilisé par budgetrule)
Nom de la contrainte : fkd_category_category_rd_category_id_id’ WHERE (SELECT rd_category_id FROM category WHERE rd_category_id = OLD.id) IS NOT NULL; END;
ROW BEGIN  SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé 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 utilisé 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 fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON
doctransaction 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 utilisé 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 fkdc_doctransaction_doctransactionmsg_id_rd_doctransaction_id BEFORE DELETE ON
doctransactionmsg FOR EACH ROW BEGIN  DELETE FROM doctransactionmsg WHERE
doctransactionmsg.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW
BEGIN  SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par interest)
Nom de la contrainte : fki_interest_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_account_interest_id_account_id_id BEFORE UPDATE ON interest FOR EACH ROW
BEGIN  SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par interest)
Nom de la contrainte : fki_interest_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_account_interest_id_account_id_id BEFORE DELETE ON account FOR EACH ROW
BEGIN  DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)
Nom de la contrainte : fki_node_node_rd_node_id_id') WHERE NEW.rd_node_id!=0 AND NEW.rd_node_id!=""
AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;
CREATE TRIGGER fk_node_node_rd_node_id_id BEFORE UPDATE ON node FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (node est utilisé par node)
Nom de la contrainte : fk_node_node_rd_node_id_id') WHERE NEW.rd_node_id!=0 AND
NEW.rd_node_id='' AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;
CREATE TRIGGER fkdc_node_node_id_rd_node_id BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM node WHERE node.rd_node_id = OLD.id; 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 utilisé 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 fku_operation_account_rd_account_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par operation)
Nom de la contrainte : fku_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_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM operation WHERE operation.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_operation_payee_r_payee_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (payee est utilisé par operation)
Nom de la contrainte : fki_operation_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 fku_operation_payee_r_payee_id_id BEFORE UPDATE ON operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (payee est utilisé par operation)
Nom de la contrainte : fku_operation_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 fkd_operation_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 (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 détruire 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)
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 utilisé par subopération)') END;

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 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 utilisé par subopération)') END;

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 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 utilisé par unit)') END;

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 UPDATE unit SET rd_unit_id=0 WHERE 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 utilisé par unitvalue)') END;

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 unitvalue 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 UPDATE unitvalue SET rd_unit_id=0 WHERE rd_unit_id=OLD.id; 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 fki_unitvalue_unit_unitvalue_id Rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilisé par unitvalue)') END;

Nom de la contrainte : fki_unitvalue_unit_unitvalue_id Rd_unit_id_id' WHERE NEW.rd_unit_id!="0 AND NEW.rd_unit_id!="/ AND (SELECT id FROM unitvalue WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fku_unitvalue_unit_unitvalue_id Rd_unit_id_id BEFORE UPDATE ON unitvalue FOR EACH ROW BEGIN UPDATE unitvalue SET rd_unit_id=0 WHERE rd_unit_id=OLD.id; END;

CREATE TRIGGER fkdc_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM vm_budget_tmp WHERE vm_budget_tmp.rc_category_id = OLD.id; END;

Nom de la contrainte : fkdc_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 AS SELECT *,v_unit_tmp2.f_LASTVALUE*IFNULL((SELECT s2.f_LASTVALUE
FROM v_unit_tmp2 s2 WHERE s2.id=v_unit_tmp1.rd_unit_id) , 1) AS f_CURRENTAMOUNT from
v_unit_tmp2;

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_operation AS SELECT *(SELECT s.id FROM suboperation s WHERE
s.rd_operation_id=v_operation_tmp1.id AND ABS(s.f_value)=(SELECT MAX(ABS(s2.f_value)) FROM
suboperation s2 WHERE s2.rd_operation_id=v_operation_tmp1.id)) AS i_MOSTIMPSUBOP,((SELECT
s.f_CURRENTAMOUNT FROM v_unit s WHERE
s.id=v_operation.rc_unit_id)*v_operation_tmp1.f_QUANTITY) AS f_CURRENTAMOUNT, (CASE WHEN
v_operation_tmp1.i_group_id<>0 AND EXISTS (SELECT 1 FROM account a WHERE
v_operation_tmp1.rc_unit_id=a.id AND a.t_type<>'L') AND EXISTS (SELECT 1 FROM v_operation_tmp1
op2, account a WHERE op2.i_group_id=v_operation_tmp1.i_group_id AND op2.rd_unit_id=a.id AND
a.t_type<>'L' AND op2.rc_unit_id=v_operation_tmp1.rc_unit_id AND op2.f_QUANTITY=-
v_operation_tmp1.f_QUANTITY) THEN 'Y' ELSE 'N' END) AS t_TRANSFER FROM v_operation_tmp1;

CREATE VIEW v_operation_delete AS SELECT *(CASE WHEN t_status='Y' THEN 'Vous n’êtes pas autorisé à
détruire cette opération car en état « rapproché » END) t_delete_message FROM operation;

CREATE VIEW v_account AS SELECT *,(SELECT MAX(s.d_date) FROM  interest s WHERE
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)||'' AS t_displayname FROM account;
CREATE VIEW v_category_displayname AS SELECT *, t_fullname AS t_displayname FROM category;
CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||SUBSTR((SELECT t_displayname FROM v_operation_displayname WHERE v_operation_displayname.id=v_recurrentoperation.rd_operation_id), 11) AS t_displayname FROM v_recurrentoperation;
CREATE VIEW v_suboperation_display AS SELECT *,IFNULL((SELECT s.t_fullname 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_display;
CREATE VIEW v_operation_display_all AS SELECT *,(SELECT s.t_name 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 tCATEGORY,(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 'Dépense' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, STRFTIME('%Y-W%W',v_operation.d_date) AS d_DATEWEEK,STRFTIME('%Y-%m',v_operation.d_date) AS d_DATEMONTH,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_QUANTITY ELSE 0 END) AS f_QUANTITY_INCOME, (CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_QUANTITY ELSE 0 END) AS f_QUANTITY_EXPENSE FROM v_suboperation_display;
CREATE VIEW v_operation_template_display AS SELECT * FROM v_operation_display_all WHERE t_template='Y';

CREATE VIEW v_operation_display AS SELECT * FROM v_operation_display_all WHERE d_date!='0000-00-00' AND t_template='N';

CREATE VIEW v_unit_display AS SELECT *,(SELECT TOTAL(o.f_QUANTITY) FROM v_operation_display o WHERE o.rc_unit_id=v_unit.id) AS f_QUANTITYOWNED FROM v_unit;

CREATE VIEW v_account_display AS SELECT (CASE t_type WHEN 'C' THEN 'Courant' WHEN 'D' THEN 'Carte de crédit' WHEN 'A' THEN 'Actif' WHEN 'I' THEN 'Investissement' WHEN 'W' THEN 'Portefeuille' WHEN 'L' THEN 'Prêt' WHEN 'O' THEN 'Autre' END) AS t_TYPENLS,bank.t_name  AS t_BANK,bank.t_bank_number AS t_BANK_NUMBER,bank.t_icon AS t_ICON,v_account.*,(v_account.f_CURRENTAMOUNT/(SELECT u.f_CURRENTAMOUNT FROM v_unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00')) AS f_QUANTITY, (SELECT (CASE WHEN u.t_symbol!='' THEN u.t_symbol ELSE u.t_name END) FROM unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00') AS t_UNIT, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status!='N' AND s.t_template='N') AS f_CHECKED, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status='N' AND s.t_template='N') AS f_COMING_SOON, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.d_date<=date('now') AND s.t_template='N') AS f_TODAYAMOUNT, (SELECT count(*) FROM v_operation_display s WHERE s.rd_account_id=v_account.id) 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=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.t_CATEGORY AS t_REALCATEGORY, sop.t_REFUND AS t_REALREFUND, sop.r_category_id AS i_IDCATEGORY, (CASE WHEN sop.f_value<0 THEN '-' WHEN sop.f_value=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN sop.f_value<0 THEN 'Dépense' WHEN sop.f_value=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, sop.f_value AS f_REALQUANTITY, sop.f_VALUE_INCOME AS f_REALQUANTITY_INCOME, sop.f_VALUE_EXPENSE AS f_REALQUANTITY_EXPENSE, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_value) AS f_REALCURRENTAMOUNT, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_INCOME) AS f_REALCURRENTAMOUNT_INCOME, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_EXPENSE) AS f_REALCURRENTAMOUNT_EXPENSE, op.* FROM v_operation_display_all AS op, v_suboperation_display AS sop WHERE op.t_template='N' AND sop.r_operation_id=op.id AND sop.t_category_id=op.r_category_id;

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_operation_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 autorisé à
détruire 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 autorisé à détruire 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 autorisé à détruire 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 *, f_REALCURRENTAMOUNT+(SELECT TOTAL(c.f_REALCURRENTAMOUNT) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE v_category_display_tmp.t_fullname||' > %') AS f_SUMCURRENTAMOUNT, i_NBOPERATIONS+(SELECT CAST(TOTAL(c.i_NBOPERATIONS) AS INTEGER) FROM vm_category_display_tmp c WHERE c.t_fullname LIKE v_category_display_tmp.t_fullname||' > %') AS i_SUMNBOPERATIONS, (CASE WHEN t_bookmarked='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 'Dépense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '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),") AS t_CATEGORYCONDITION, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),") AS t_CATEGORYCONDITION FROM budgetrule;
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;UPDATE category SET t_name=t_name WHERE rd_category_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
ifcapable !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,

CREATE TABLE "mfo:FeedElement" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER, "mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);

CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localDate" 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, "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: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" INTEGER NOT NULL, "mlo:altitude:graph" INTEGER);
"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:boxEastLimit" INTEGER NOT NULL,
"mlo:boxEastLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID INTEGER
NOT NULL, "mlo:boxNorthLimit" INTEGER NOT NULL,
"mlo:boxNorthLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID
INTEGER NOT NULL, "mlo:boxSouthWestCorner" INTEGER NOT NULL,
"mlo:boxSouthWestCorner:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID
INTEGER NOT NULL, "mlo:boxVerticalLimit" INTEGER NOT NULL,
"mlo:boxVerticalLimit:graph" INTEGER);
CREATE TABLE "mlo:PointOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route_mlo:endTime" (ID INTEGER NOT NULL,
"mlo:endTime" INTEGER NOT NULL, "mlo:endTime:graph" INTEGER,
"mlo:endTime:localDate" INTEGER NOT NULL, "mlo:endTime:localTime"
INTEGER NOT NULL);
CREATE TABLE "mlo:Route_mlo:routeDetails" (ID INTEGER NOT NULL,

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<table>
<thead>
<tr>
<th>SQL Query</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE TABLE &quot;mlo:Route_mlo:routeDetails&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:routeDetails:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mlo:Route_mlo:startTime&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mlo:startTime:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mlo:startTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:startTime:localTime&quot;</td>
</tr>
<tr>
<td>INTEGER NOT NULL);</td>
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<tr>
<td>CREATE TABLE &quot;mto:DownloadTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:State&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:SyncTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:Transfer&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td>&quot;mto:transferState&quot; INTEGER, &quot;mto:transferState:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:method&quot; INTEGER, &quot;mto:method:graph&quot; INTEGER, &quot;mto:created&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:created:localDate&quot; INTEGER NOT NULL, &quot;mto:created:localTime&quot; INTEGER];</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:TransferElement&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td>&quot;mto:source&quot; INTEGER, &quot;mto:source:graph&quot; INTEGER, &quot;mto:destination&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:destination:graph&quot; INTEGER, &quot;mto:startTime&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:startTime:graph&quot; INTEGER, &quot;mto:startTime:localDate&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:startTime:localTime&quot; INTEGER, &quot;mto:completedTime&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:completedTime:graph&quot; INTEGER, &quot;mto:completedTime:localDate&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:completedTime:localTime&quot; INTEGER, &quot;mto:state&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;mto:state:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:TransferMethod&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mto:Transfer_mto:transferList&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;mto:transferList:graph&quot; INTEGER);</td>
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<tr>
<td>CREATE TABLE &quot;mto:UploadTransfer_mto:transferCategory&quot; (ID INTEGER NOT</td>
</tr>
<tr>
<td>NULL, &quot;mto:transferList&quot;: INTEGER NOT NULL, &quot;mto:transferList:graph&quot;</td>
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<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;mtp:ScanType&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;nao:Property&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td>&quot;nao:propertyName&quot; TEXT COLLATE NOCASE, &quot;nao:propertyName:graph&quot; INTEGER,</td>
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<tr>
<td>&quot;nao:description&quot; TEXT COLLATE NOCASE, &quot;nao:description:graph&quot; INTEGER);</td>
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<tr>
<td>CREATE TABLE &quot;nao:Tag&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
</tr>
<tr>
<td>&quot;nao:prefLabel&quot;: TEXT COLLATE NOCASE, &quot;nao:prefLabel:graph&quot; INTEGER,</td>
</tr>
<tr>
<td>&quot;nao:description&quot;: TEXT COLLATE NOCASE, &quot;nao:description:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;nao:Tag_tracker:isDefaultTag&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;tracker:isDefaultTag&quot;: INTEGER NOT NULL, &quot;tracker:isDefaultTag:graph&quot;</td>
</tr>
<tr>
<td>INTEGER);</td>
</tr>
<tr>
<td>CREATE TABLE &quot;nao:Tag_tracker:tagRelatedTo&quot; (ID INTEGER NOT NULL,</td>
</tr>
<tr>
<td>&quot;tagRelatedTo&quot;: INTEGER NOT NULL, &quot;tagRelatedTo:graph&quot; INTEGER);</td>
</tr>
</tbody>
</table>
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, "ncal:action" INTEGER NOT NULL, "ncal:action:graph" INTEGER);
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:AttendeeOrOrganizer" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:dir" INTEGER, "ncal:dir:graph" INTEGER, "ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER, "ncal:involvedOrg" INTEGER, "ncal:involvedOrg:graph" INTEGER, "ncal:involvedRole" INTEGER, "ncal:involvedRole:graph" INTEGER, "ncal:sentBy" INTEGER, "ncal:sentBy:graph" INTEGER);
CREATE TABLE "ncal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:BydayRulePart" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:bydayModifier" INTEGER NOT NULL, "ncal:bydayModifier:graph" INTEGER, "ncal:bydayWeekday" INTEGER NOT NULL, "ncal:bydayWeekday: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:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
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:RecurrenceRule_ncal:bysecond" (ID INTEGER NOT NULL, "ncal:bysecond" INTEGER NOT NULL, "ncal:bysecond:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bysetpos" (ID INTEGER NOT NULL, "ncal:bysetpos" INTEGER NOT NULL, "ncal:bysetpos:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byweekno" (ID INTEGER NOT NULL, "ncal:byweekno" INTEGER NOT NULL, "ncal:byweekno:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byyearday" (ID INTEGER NOT NULL, "ncal:byyearday" INTEGER NOT NULL, "ncal:byyearday:graph" INTEGER);
CREATE TABLE "ncal:RequestStatus" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:statusDescription" TEXT COLLATE NOCASE, "ncal:statusDescription:graph" INTEGER, "ncal:returnStatus" TEXT COLLATE NOCASE, "ncal:returnStatus:graph" INTEGER, "ncal:requestStatusData" TEXT COLLATE NOCASE, "ncal:requestStatusData:graph" INTEGER);
CREATE TABLE "ncal:TimeTransparency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:TimezoneObservance" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:tzoffsetfrom" TEXT COLLATE NOCASE, "ncal:tzoffsetfrom:graph" INTEGER, "ncal:tzoffsetto" TEXT COLLATE NOCASE, "ncal:tzoffsetto:graph" INTEGER, "ncal:tzname" TEXT COLLATE NOCASE, "ncal:tzname: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_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);
CREATE TABLE "nco:ContactGroup" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactGroupName" TEXT COLLATE NOCASE, "nco:contactGroupName:graph" INTEGER);
CREATE TABLE "nco:ContactList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactListDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Contact_ncal:anniversary" (ID INTEGER NOT NULL, "ncal:anniversary" INTEGER NOT NULL, "ncal:anniversary:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:birthday" (ID INTEGER NOT NULL, "ncal:birthday" INTEGER NOT NULL, "ncal:birthday:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL, "nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup:graph" INTEGER);
CREATE TABLE "nco:ContactMedium" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactMediumComment" TEXT COLLATE NOCASE, "nco:contactMediumComment:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:anniversary" (ID INTEGER NOT NULL, "ncal:anniversary" INTEGER NOT NULL, "ncal:anniversary:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:birthday" (ID INTEGER NOT NULL, "ncal:birthday" INTEGER NOT NULL, "ncal:birthday:graph" INTEGER);
CREATE TABLE "nco:Contact_nco:belongsToGroup" (ID INTEGER NOT NULL, "nco:belongsToGroup" INTEGER NOT NULL, "nco:belongsToGroup: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: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" TEXT COLLATE NOCASE, "nco:hasPhoneNumber:graph" INTEGER);
"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 "nco:VideoTelephoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:VoicePhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:voiceMail" INTEGER, "nco:voiceMail: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);
CREATE TABLE "nfo:BookmarkFolder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmark" (ID INTEGER NOT NULL, "nfo:containsBookmark" INTEGER NOT NULL, "nfo:containsBookmark:graph" INTEGER);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID INTEGER NOT NULL, "nfo:containsBookmarkFolder" INTEGER NOT NULL, "nfo:containsBookmarkFolder:graph" INTEGER);
CREATE TABLE "nfo:CompressionType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Cursor" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DataContainer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:originalLocation" TEXT COLLATE NOCASE,
  "nfo:originalLocation:graph" INTEGER, "nfo:deletionDate" INTEGER,
  "nfo:deletionDate:graph" INTEGER, "nfo:deletionDate:localDate"
  INTEGER, "nfo:deletionDate:localTime" INTEGER);
CREATE TABLE "nfo:Document" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:tableOfContents" TEXT COLLATE NOCASE,
  "nfo:tableOfContents:graph" INTEGER);
CREATE TABLE "nfo:EmbeddedFileDataObject" (ID INTEGER NOT NULL PRIMARY
  KEY, "nfo:encoding" TEXT COLLATE NOCASE, "nfo:encoding:graph"
  INTEGER);
CREATE TABLE "nfo:Equipment" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:manufacturer" TEXT COLLATE NOCASE, "nfo:manufacturer:graph"
  INTEGER, "nfo:model" TEXT COLLATE NOCASE, "nfo:model:graph" INTEGER,
  "nfo:equipmentSoftware" TEXT COLLATE NOCASE,
  "nfo:equipmentSoftware:graph" INTEGER);
CREATE TABLE "nfo:Executable" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FileDataObject" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:fileLastAccessed" INTEGER, "nfo:fileLastAccessed:graph" INTEGER,
  "nfo:fileLastAccessed:localDate" INTEGER, "nfo:fileLastAccessed:
  localTime" INTEGER, "nfo:fileCreated" INTEGER, "nfo:fileCreated:
  graph" INTEGER, "nfo:fileCreated:localDate" INTEGER, "nfo:
  fileCreated:localTime" INTEGER, "nfo:fileSize" INTEGER,
  "nfo:fileSize:graph" INTEGER, "nfo:permissions" TEXT COLLATE
  NOCASE, "nfo:permissions:graph" INTEGER, "nfo:fileName" TEXT
  COLLATE NOCASE, "nfo:fileName:graph" INTEGER, "nfo:hasHash"
  INTEGER, "nfo:hasHash:graph" INTEGER, "nfo:fileOwner" INTEGER,
  "nfo:fileOwner:graph" INTEGER, "nfo:fileLastModified" INTEGER,
  "nfo:fileLastModified:graph" INTEGER, "nfo:fileLastModified:
  localDate" INTEGER, "nfo:fileLastModified:localTime" INTEGER);
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,
  "nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph"
  INTEGER, "nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
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,
  "nfo:verticalResolution" INTEGER, "nfo:verticalResolution:graph"
  INTEGER, "nfo:orientation" INTEGER,
  "nfo:horizontalResolution" INTEGER, "nfo:horizontalResolution:
  graph" INTEGER, "nfo:orientation" 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, "nfo:entryCounter" INTEGER, "nfo:entryCounter:graph" INTEGER, "nfo:listDuration" INTEGER, "nfo:listDuration:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:hasMediaFileListEntry" (ID INTEGER NOT NULL, "nfo:hasMediaFileListEntry" INTEGER NOT NULL, "nfo:hasMediaFileListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:mediaListEntry" (ID INTEGER NOT NULL, "nfo:mediaListEntry" INTEGER NOT NULL, "nfo:mediaListEntry:graph" INTEGER);
CREATE TABLE "nfo:MindMap" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Note" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:OperatingSystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Orientation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nie:DataObject_nie:dataSource" (ID INTEGER NOT NULL, "nie:dataSource" INTEGER NOT NULL, "nie:dataSource:graph" INTEGER);
CREATE TABLE "nie:DataObject_nie:isPartOf" (ID INTEGER NOT NULL, "nie:isPartOf" INTEGER NOT NULL, "nie:isPartOf:graph" INTEGER);
CREATE TABLE "nie:DataSource" (ID INTEGER NOT NULL PRIMARY KEY);
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: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:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:albumDiscAlbum" INTEGER, "nmm:albumDiscAlbum:graph" INTEGER, "nmm:musicCDIdentifier" TEXT COLLATE NOCASE, "nmm:musicCDIdentifier:graph" INTEGER, "nmm:setNumber" INTEGER, "nmm:setNumber:graph" INTEGER);
CREATE TABLE "nmm:MusicAlbum_nmm:albumArtist" (ID INTEGER NOT NULL, "nmm:albumArtist" INTEGER NOT NULL, "nmm:albumArtist:graph" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL,
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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);
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,
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CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:lastMessageDate" INTEGER, "nmo:lastMessageDate:graph" INTEGER, "nmo:lastSuccessfulMessageDate" INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER, "nmo:lastMessageDate:localDate" INTEGER, "nmo:lastMessageDate:localTime" 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:isDeleted:graph" 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:mustAnswerReportRead" 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 NOT NULL, "nmo:messageHeader:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:recipient" (ID INTEGER NOT NULL, "nmo:recipient" INTEGER NOT NULL, "nmo:recipient:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:references" (ID INTEGER NOT NULL, "nmo:references" INTEGER NOT NULL, "nmo:references:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:to" (ID INTEGER NOT NULL, "nmo:to" INTEGER NOT NULL, "nmo:to:graph" INTEGER);
CREATE TABLE "nmo:MimePart" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:charSet" TEXT COLLATE NOCASE, "nmo:charSet:graph" INTEGER, "nmo:contentId" TEXT COLLATE NOCASE, "nmo:contentId:graph" INTEGER, "nmo:contentTransferEncoding" TEXT COLLATE NOCASE, "nmo:contentTransferEncoding:graph" INTEGER, "nmo:contentDescription" TEXT COLLATE NOCASE, "nmo:contentDescription:graph" INTEGER, "nmo:contentDisposition" TEXT COLLATE NOCASE, "nmo:contentDisposition:graph" INTEGER);
CREATE TABLE "nmo:MimePart_nmo:mimeHeader" (ID INTEGER NOT NULL, "nmo:mimeHeader" INTEGER NOT NULL, "nmo:mimeHeader: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 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:Attendee" (ID INTEGER NOT NULL PRIMARY KEY, "scal:attendanceStatus" INTEGER, "scal:attendanceStatus:graph"
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);
CREATE TABLE "scal:CalendarItem" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:textLocation" INTEGER, "scal:textLocation:graph" INTEGER,
"scal:resources" TEXT COLLATE NOCASE, "scal:resources:graph" INTEGER,
"scal:transparency" INTEGER, "scal:transparency:graph" INTEGER,
"scal:calendarItemAlarm" INTEGER, "scal:calendarItemAlarm:graph" INTEGER,
"scal:start" INTEGER, "scal:start:graph" INTEGER, "scal:end" INTEGER,
"scal:end:graph" INTEGER, "scal:isAllDay" INTEGER,
"scal:isAllDay:graph" INTEGER, "scal:priority" 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,
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);
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: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 TABLE "tracker:Volume" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:isMounted" INTEGER, "tracker:isMounted:graph" INTEGER,
"tracker:unmountDate" INTEGER, "tracker:unmountDate:graph" INTEGER,
"tracker:unmountDate:localDate" INTEGER,
"tracker:unmountDate:localTime" INTEGER, "tracker:mountPoint" INTEGER,
"tracker:mountPoint:graph" INTEGER, "tracker:isRemovable" INTEGER,
"tracker:isRemovable:graph" INTEGER, "tracker:isOptical" INTEGER,
"tracker:isOptical:graph" INTEGER);
CREATE UNIQUE INDEX "mfo:FeedMessage_mfo:enclosureList_ID_ID" ON
"mfo:FeedMessage_mfo:enclosureList" (ID, "mfo:enclosureList");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbNorthWest_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbNorthWest" (ID, "mlo:bbNorthWest");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbSouthEast_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbSouthEast" (ID, "mlo:bbSouthEast");
CREATE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" ("mlo:asBoundingBox", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID" ON
"mlo:GeoLocation_mlo:asGeoPoint" (ID);
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:BydayRulePart_ncal:bydayWeekday_ID_ID" ON
"ncal:BydayRulePart_ncal:bydayWeekday" (ID, "ncal:bydayWeekday");  
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_ncal:anniversary_ID_ID" ON 
"nco:Contact_ncal:anniversary" (ID, "ncal:anniversary");
CREATE UNIQUE INDEX "nco:Contact_ncal:birthday_ID_ID" ON 
"nco:Contact_ncal:birthday" (ID, "ncal:birthday");
CREATE UNIQUE INDEX "nco:Contact_ncal:belongsToGroup_ID_ID" ON 
"nco:Contact_ncal:belongsToGroup" (ID, "nco:belongsToGroup");
CREATE UNIQUE INDEX "nco:Contact_nco:note_ID_ID" ON 
"nco:Contact_nco:note" (ID, "nco:note");
CREATE UNIQUE INDEX "nco:Contact_ncal:anniversary_ID_ID" ON 
"nco:Contact_ncal:anniversary" (ID, "ncal:anniversary");
CREATE UNIQUE INDEX "nco:Contact_ncal:birthday_ID_ID" ON 
"nco:Contact_ncal:birthday" (ID, "ncal:birthday");
CREATE UNIQUE INDEX "nco:IMAccount_nco:hasIMContact_ID_ID" ON 
"nco:IMAccount_nco:hasIMContact" (ID, "nco:hasIMContact");
CREATE UNIQUE INDEX "nco:IMAddress_nco:imCapability_ID_ID" ON 
"nco:IMAddress_nco:imCapability" (ID, "nco:imCapability");
CREATE UNIQUE INDEX "nco:PersonContact_nco:hasAffiliation_ID_ID" ON 
"nco:PersonContact_nco:hasAffiliation" (ID, "nco:hasAffiliation");
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_ID" ON 
"nco:Role_nco:hasEmailAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasEmailAddress_ID_ID" ON 
"nco:Role_nco:hasEmailAddress" ("nco:hasEmailAddress", 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_ID" ON 
"nco:Role_nco:hasPostalAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasPostalAddress_ID_ID" ON 
"nco:Role_nco:hasPostalAddress" ("nco:hasPostalAddress", 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 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 "nie:DataObject_nie:isPartOf_ID_ID" ON "nie:DataObject_nie:isPartOf" (ID, "nie:isPartOf");
CREATE INDEX "nie:DataObject_nie:url" ON "nie:DataObject" ("nie:url");
CREATE INDEX "nie:InformationElement_mlo:location_ID" ON "nie:InformationElement_mlo:location" (ID);
CREATE UNIQUE INDEX "nie:InformationElement_mlo:location_ID_ID" ON "nie:InformationElement_mlo:location" ("mlo:location", ID);
CREATE UNIQUE INDEX "nie:InformationElement_nao:hasProperty_ID_ID" ON "nie:InformationElement_nao:hasProperty" (ID, "nao:hasProperty");
CREATE UNIQUE INDEX "nie:InformationElement_nco:contributor_ID_ID" ON "nie:InformationElement_nco:contributor" (ID, "nco:contributor");
CREATE UNIQUE INDEX "nie:InformationElement_nco:creator_ID_ID" ON "nie:InformationElement_nco:creator" (ID, "nco:creator");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasLogicalPart_ID_ID" ON "nie:InformationElement_nie:hasLogicalPart" (ID, "nie:hasLogicalPart");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasPart_ID_ID" ON "nie:InformationElement_nie:hasPart" (ID, "nie:hasPart");
CREATE UNIQUE INDEX "nie:InformationElement_nie:informationElementDate_ID_ID" ON "nie:InformationElement_nie:informationElementDate" (ID, "nie:informationElementDate");
CREATE UNIQUE INDEX "nie:InformationElement_nie:isLogicalPartOf_ID_ID" ON "nie:InformationElement_nie:isLogicalPartOf" (ID, "nie:isLogicalPartOf");
CREATE UNIQUE INDEX "nie:InformationElement_nie:keyword_ID_ID" ON "nie:InformationElement_nie:keyword" (ID, "nie:keyword");
CREATE UNIQUE INDEX "nie:InformationElement_nie:relatedTo_ID_ID" ON "nie:InformationElement_nie:relatedTo" (ID, "nie:relatedTo");
CREATE INDEX "nie:InformationElement_slo:location" ON "nie:InformationElement" ("slo:location");
CREATE INDEX "nmm:Artist_nmm:artistName" ON "nmm:Artist" ("nmm:artistName");
CREATE INDEX "nmm:MusicAlbum_nmm:albumArtist_ID_ID" ON "nmm:MusicAlbum" ("nie:title");
CREATE UNIQUE INDEX "nmm:MusicAlbum_nmm:albumArtist_ID_ID" ON "nmm:MusicAlbum_nmm:albumArtist" (ID, "nmm:albumArtist");
CREATE INDEX "nmm:MusicPiece_nie:title" ON "nmm:MusicPiece" ("nie:title");
CREATE UNIQUE INDEX "nmm:MusicPiece_nmm:lyrics_ID_ID" ON "nmm:MusicPiece_nmm:lyrics" (ID, "nmm:lyrics");
CREATE INDEX "nmm:MusicPiece_nmm:musicAlbum" ON "nmm:MusicPiece" ("nmm:musicAlbum");
CREATE INDEX "nmm:MusicPiece_nmm:performer" ON "nmm:MusicPiece" ("nmm:performer");
CREATE UNIQUE INDEX "nmm:RadioStation_nmm:carrier_ID_ID" ON "nmm:RadioStation_nmm:carrier" (ID, "nmm:carrier");
CREATE UNIQUE INDEX "nmm:Video_mtp:scantype_ID_ID" ON "nmm:Video_mtp:scantype" (ID, "mtp:scantype");
CREATE UNIQUE INDEX "nmm:Video_nmm:director_ID_ID" ON "nmm:Video_nmm:director" (ID, "nmm:director");
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"
CREATE INDEX "nmo:Message_nmo:communicationChannel" ON "nmo:Message" 
("nmo:communicationChannel", "nmo:receivedDate");
CREATE INDEX "nmo:Message_nmo:conversation" ON "nmo:Message" 
("nmo:conversation");
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:to_ID_ID" ON "nmo:Message_nmo:to" (ID, "nmo:to");
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 
"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 "rdfs:Class_rdfs:subClassOf_ID_ID" ON 
"rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
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_dc:relation_ID_ID" ON 
"rdfs:Resource_dc:relation" (ID, "dc:relation");
CREATE UNIQUE INDEX "rdfs:Resource_dc:source_ID_ID" ON 
"rdfs:Resource_dc:source" (ID, "dc:source");
Open Source Used In Cisco Unified Communication Manager 14SU2 13337
found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/fuzz-oss1.test
no license file was found, but licenses were detected in source scan.

<dd><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.

found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/fuzz-oss1.test
no license file was found, but licenses were detected in source scan.

# 2001 September 15
#
# 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

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}
}

# Check out the length() function

do_test func-1.0 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
}

# Check out the length() function with different arguments

do_test func-1.1 {
  set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
}

do_test func-1.2 {
  set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
}

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}
} {e s m e s}
do_test func-2.4 {
  execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
  execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
} {e i a r i}
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 \u1234"

do_test func-3.5 {
    execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont \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}
} "TF- ter ain \u1234h"

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}

} ;# End \u1234!=\u1234
# 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(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);}
} $x2
}
do_test func-4.20 {
  execsql {SELECT round(40223.499999999999);} } {40223.0}
do_test func-4.21 {
  execsql {SELECT round(40224.499999999999);} } {40224.0}
do_test func-4.22 {
  execsql {SELECT round(40225.499999999999);} } {40225.0}
for {set i 1} {$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);}  } $x2
}
do_test func-4.23.$i {
  execsql {SELECT round(40223.499999999999,$i);}  } {40223.5}
do_test func-4.24.$i {
  execsql {SELECT round(40224.499999999999,$i);}  } {40224.5}
do_test func-4.25.$i {
  execsql {SELECT round(40225.499999999999,$i);}  } {40225.5}
}
for {set i 10} {$i<32} {incr i} {
  do_test func-4.26.$i {
    execsql {SELECT round(40223.499999999999,$i);}  } {40223.499999999999}
do_test func-4.27.$i {
    execsql {SELECT round(40224.499999999999,$i);}  } {40224.499999999999}
do_test func-4.28.$i {
    execsql {SELECT round(40225.499999999999,$i);}  } {40225.499999999999}
}
do_test func-4.29 {
  execsql {SELECT round(1234567890.5);} } {1234567891.0}
do_test func-4.30 {
  execsql {SELECT round(1234567890.5);} } {1234567891.0}
do_test func-4.31 { execsql {SELECT round(123456789012.5);} } {123456789013.0}
do_test func-4.32 { execsql {SELECT round(1234567890123.5);} } {1234567890124.0}
do_test func-4.33 { execsql {SELECT round(12345678901234.5);} } {12345678901235.0}
do_test func-4.34 { execsql {SELECT round(1234567890123.35,1);} } {1234567890123.4}
do_test func-4.35 { execsql {SELECT round(1234567890123.445,2);} } {1234567890123.45}
do_test func-4.36 { execsql {SELECT round(99999999999994.5);} } {99999999999995.0}
do_test func-4.37 { execsql {SELECT round(9999999999999.55,1);} } {9999999999999.6}
do_test func-4.38 { execsql {SELECT round(9999999999999.556,2);} } {9999999999999.56}
}

# 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
#
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```sql
do_test func-6.1 {
excsqql (SELECT coalesce(a,'xyz') FROM t2)
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
excsqql (SELECT coalesce(upper(a),'nil') FROM t2)
} {1 nil 345 nil 67890}
do_test func-6.3 {
excsqql (SELECT coalesce(nullif(1,1),'nil'))
} {nil}
do_test func-6.4 {
excsqql (SELECT coalesce(nullif(1,2),'nil'))
} {1}
do_test func-6.5 {
excsqql (SELECT coalesce(nullif(1,NULL),'nil'))
} {1}
```

# Test the last_insert_rowid() function
#
do_test func-7.1 {
excsqql (SELECT last_insert_rowid())
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {
do_test func-8.1 {
  ifcapable explain {
    excsqql [EXPLAIN SELECT sum(a) FROM t2;]
  }
excsqql {
    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 {
    excsqql [EXPLAIN SELECT sum(a) FROM t2;]
  }
excsqql {
    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 {
excsqql {
  SELECT max('z'+||a||) FROM t2;
}
```
ifcapable tempdb {
do_test func-8.3 {
  execsql {
    CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
    SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
  }
} {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
} else {
do_test func-8.3 {
  execsql {
    CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
    SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
  }
} {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
do_test func-8.4 {
  execsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
  }
} {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
} 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)
  }
}
ifcapable !floatingpoint {
do_test func-8.8 {
  execsql {
    SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x 
      UNION ALL SELECT -9223372036850000000)
  }
} {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().
#
ifcapable blloblit {
do_test func-9.10 {
  execsql {SELECT hex(x'00112233445566778899aAbBeCdDeEfF'))}
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {6100620063006400310032006700}
do_test func-9.12-utf16le {
execsql {SELECT hex(replace('abcdefg','"','12'))}
} {6100620063006400650066006700}
do_test func-9.13-utf16le {
execsql {SELECT hex(replace('aabccdefg','a','aaa'))}
} {6100610061006100610061006400650066006700}
} elseif {$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'))}
} {61626364656667}
do_test func-9.13-utf8 {
execsql {SELECT hex(replace('aabccdefg','a','aaa'))}
} {616161616161626364656667}
}
# 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(}
```c
if capable floatingpoint {
    do_test func-10.4 {
        execsql {
            SELECT testfunc(
                'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                'double', 1.234
            );
        } {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
```
# 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');
  }
} {}
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;
  }
} {0 1}
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 ? , 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 {}}
do_test func-15.2 {
catchsql {select test_error('this is the error message')} 
} {1 {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;
}
} {9902.0}
}

# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
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
}
} integer
ifcapable 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
}
ifcapable !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 {

---

Open Source Used In Cisco Unified Communication Manager 14SU2 13356
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);
}
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}
} ;# ifcapable compound&&subquery

# Integer overflow on abs()
#
if {[[working_64bit_int]]} {
do_test func-18.31 {
catchsql {
    SELECT abs(-9223372036854775807);
}
} {0 9223372036854775807}
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
        ellery  E460
        gauss   G200
        ghosh   G200
        hilbert H416
        Heilbronn H416
        knuth   K530
        kant    K530
        Lloyd   L300
        LADD    L300
        Lukasiewicz L222
        Lissajous L222
        A       A000
        12345   ?000
    } {
        incr i
        do_test func-20.$i {
            execsql {SELECT soundex($name)}
        } $sdx
    }
}

# 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);
do_test func-21.3 {
  execsql {
    SELECT typeof(replace("This is the main test string", NULL, "ALT"));
  }
}
do_test func-21.4 {
  execsql {
    SELECT typeof(replace(NULL, "main", "ALT"));
  }
}
do_test func-21.5 {
  execsql {
    SELECT typeof(replace("This is the main test string", "main", NULL));
  }
}
do_test func-21.6 {
  execsql {
    SELECT replace("This is the main test string", "main", "ALT");
  }
}
do_test func-21.7 {
  execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
  }
}
do_test func-21.8 {
  execsql {
    SELECT replace("aaaaaaa", "a", "0123456789");
  }
}
ifcapable tclvar {
  do_test func-21.9 {
    # Attempt to exploit a buffer-overflow that at one time existed
    # in the REPLACE function.
    set ::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]
  }
}

# Tests for the TRIM, LTRIM and RTRIM functions.
#
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 zzzy’,’xyz’);} 
    ] {{ hi }}
do_test func-22.11 {
execsql {SELECT ltrim(‘xyxzy hi zzzy’,’xyz’);} 
    ] {{ hi zzzy}}
do_test func-22.12 {
execsql {SELECT rtrim(‘xyxzy hi zzzy’,’xyz’);} 
    ] {{xyzzy 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’c280e1bfbff48fbbf6869’,x’6162e1bfbc280’))}
    ] {F48FBFBF6869}
do_test func-22.15 {
execsql {SELECT hex(trim(x’6869c280e1bfbff48fbbf61’, x’6162e1bfbc280f48fbbf’))}
    ] {6869}
do_test func-22.16 {execsql {SELECT hex(trim(x’ceb1ceb2ceeb3’,x’ceb1’));}
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.
#
ifcapable 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 program is free 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
  }
} {{}}
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
}

# 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
    }
} {,,null,software}
do_test func-24.11 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN null ELSE t1 END) FROM tbl1
  }
}

do_test func-24.12 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN ''
                 WHEN 'program' THEN null ELSE t1 END) FROM tbl1
  }
}

# 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}
}

# 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_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_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} {

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.
#
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 {$¢€}]
for {set i 1} {$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.

without a shared lock, other processes are free to modify the database

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
No license file was found, but licenses were detected in source scan.

/*
 ** 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
 ** SQLlite.
 */

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
 HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/printf.c

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

/*
 ** 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.
 */

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
 HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/pager.c

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.
*/

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/threadtest3.c
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/tclsqlite.c

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

<a href="http://en.wikipedia.org/wiki/Public_Domain">public domain</a>

the public domain and originals of
author, and all of those authors have public domain dedications
Even though SQLite is in the public domain and does not require
the public domain.  </li>
their contributions to the public domain.
in this code to the public domain.  We make this dedication for the benefit

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
  HmFjlFog/sqlite-doc-3071700.zip-cosi-expand-archive-oCva3G91/sqlite-doc-3071700/copyright.html

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

<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 &amp; Company, Inc., a Georgia Corporation with
headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").</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

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

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.
<h4>2.1.2 Debugging Support</h4>
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.

<p></p>

<h4>2.1.3 Custom Development</h4>
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.

<p></p>

<h4>2.1.4 Custom Builds</h4>
The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.

<p></p>

<h4>2.1.5 Legacy Support</h4>
The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.

<p></p>

<h4>2.1.6 Custom Testing</h4>
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.

<p></p>

<h4>2.1.7 Priority Bug Fixes</h4>
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.

<p></p>

<h4>2.1.8 Code Quality</h4>
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.
</p>

<h4>2.1.9 Backwards Compatibility</h4>
<p>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.
</p>

<h4>2.3.2 Responsible Party</h4>
<p>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.</p>

<h4>2.3.3 Multiple Developers</h4>
<p>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.</p>

<h4>2.3.4 Mentorship</h4>
<p>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.</p>

<h4>2.3.5 Audits</h4>
<p>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.</p>

<h4>2.3.6 Disaster Planning</h4>
<p>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>
<p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> website.</p>

<h4>2.3.8 No Take-overs or Buy-outs</h4>
<p>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.</p>

<h4>2.3.9 New Consortium Members</h4>
<p>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.</p>

<h4>2.3.10 Adequate Staff</h4>
<p>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.</p>

<h4>2.3.11 Use Of Funds</h4>
<p>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.</p>

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
<p>Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees". 
2.4.2 Copyright Disclaimer

Company acknowledges that SQLite source code and documentation published on the SQLite 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.

<h4>4.2.1 Disclosure Required by Law</h4>
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.

<h3>4.3 Return of Materials.</h3>

Upon the termination of this Agreement, or upon Company's earlier 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</h3>

<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.</p>

<h3>7.2 Termination.</h3>

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.</p>

<h3>7.3 Survival.</h3>

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.</p>

<h2>8. Miscellaneous</h2>

<h3>8.1 Nonassignment/Binding Agreement.</h3>

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.</p>

<h3>8.2 Notices.</h3>
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.

8.3 Waiver.

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.

8.4 Severability.

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.

8.5 Integration.

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.

<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>
Print Name:<hr>
Title:<hr>
</td></tr></table>
```
Found in path(s):
No license file was found, but licenses were detected in source scan.

procset Adobe_CoolType_Utility_MAKEOCF 1.23 0
procset Adobe_CoolType_Utility_T42 1.0 0
procset Adobe_AGM_Image 1.0 0

Found in path(s):
* %BeginResource
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a> and is thus free for

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

<a href="copyright.html">public domain</a>.

Found in path(s):
No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a> and so many groups use SQLite

Found in path(s):
SQLite Copyright Release Template

Copyright Release for Contributions To SQLite

SQLite is software that implements an embeddable SQL database engine. SQLite is available for free download from http://www.sqlite.org/. The principal author and maintainer of SQLite has disclaimed all copyright interest in his contributions to SQLite and thus released his contributions into the public domain.

In order to keep the SQLite software unencumbered by copyright claims, the principal author asks others who may from time to time contribute changes and enhancements to likewise disclaim their own individual copyright interest.

Because the SQLite software found at http://www.sqlite.org/ is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software, under either the original name or under some new name, without any need to obtain permission, pay royalties, acknowledge the original source of the software, or in any other way compensate, identify, or notify the original authors. Nobody is in any way compelled to contribute their SQLite changes and enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.

For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website, http://www.sqlite.org/. Precompiled binaries are excluded from the definition of "SQLite software" in this document because the process of compiling the software may introduce information from outside sources which is not properly a part of SQLite.
The header comments on the SQLite source files exhort the reader to share freely and to never take more than one gives.
In the spirit of that exhortation I make the following declarations:

I dedicate to the public domain any and all copyright interest in the SQLite software that was publicly available on the SQLite website (http://www.sqlite.org/) prior to the date of the signature below and any changes or enhancements to the SQLite software that I may cause to be published on that website in the future. I make this dedication for the benefit of the public at large and to the detriment of my heirs and successors. I intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to the SQLite software under copyright law.

To the best of my knowledge and belief, the changes and enhancements that I have contributed to SQLite are either originally written by me or are derived from prior works which I have verified are also in the public domain and are not subject to claims of copyright by other parties.

To the best of my knowledge and belief, no individual, business, organization, government, or other entity has any copyright interest in the SQLite software as it existed on the SQLite website as of the date on the signature line below.

I agree never to publish any additional information to the SQLite website (by CVS, email, scp, FTP, or any other means) unless that information is an original work of authorship by me or is derived from prior published versions of SQLite. I agree never to copy and paste code into the SQLite code base from other sources. I agree never to publish on the SQLite website any information that would violate a law or breach a contract.
<p>The source code for SQLite is in the public domain. No claim of copyright</p>

Found in path(s):

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

The source code for SQLite is in the public domain. No claim of copyright</p>

Found in path(s):

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

<a href="copyright.html">public domain</a>. No claim of ownership is made

Found in path(s):

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

SQLite core and like the SQLite core are in the public domain. The
The <a href="th3.html">TH3</a> test harness is a set of proprietary tests, written in
is free to use SQLite from multiple threads, but it must make sure

application is free to use the same <a href="#sqlite3">database connection</a> or the

# 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;
        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
        1 - 24990
        2500 - 54995000
        5500 - 64996000
        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?

        --

        Open Source Used In Cisco Unified Communication Manager 14SU2 13386
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.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;

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 >>
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)

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!

Here is the information on staffing and outside services. Call if you need anything else.

Jim

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.

"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_tod..._31_.doc');

INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder

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);

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; 30.000 / Enron ; 110.000 / HPL IFERC

LS HPL LSK IC 30.000 / Enron

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.

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',

---

Open Source Used In Cisco Unified Communication Manager 14SU2 13391
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);

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@mhh's.org>, "Marymankarious (E-mail)"
<mlokat@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:

America: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

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][IMAGE]
Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]

Open Source Used In Cisco Unified Communication Manager 14SU2 13395
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"

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);

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@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, 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

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)
- 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.

');
INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com','dan.junek@enron.com, chris.germany@enron.com', '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" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution''s Capacity Available for Release - Sum

Attached is Columbia Distribution''s notice of capacity available for release for

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, michaelaearly@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.

');
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
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('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');
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
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.

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!

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
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/

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 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; <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variances detected.
Variances 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');

---

Open Source Used In Cisco Unified Communication Manager 14SU2 13408
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/litebyztoolzprint.jpg);

   COMMIT;

} {}
do_test fts1c-1.6 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH "mark susan"
  }
} {}
do_test fts1c-1.7 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  }
} {6 17 25 38 42 73 74}
do_test fts1c-1.8 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  }
} {24}
do_test fts1c-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 fts1c-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 fts1c-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 fts1c-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 fts1c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {}
do_test fts1c-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 \{2 0 42 3 2 1 54 8\}}

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'
  }
}
\{ {\bf Accenture} \<b\>Deal\<b\>Sheet\<b\>\<b\>...\<b\>\ intent
  \begin{quote}
  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'
  }
}\{ {\bf Accenture} \<<<Deal>>> \<<<Sheet>>> \ intent
  \begin{quote}
  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'
  }
}\{ {\bf 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'
  }
}\{ {\bf chris.germany@enron.com} \ 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"'
  }
}\{ {\bf Erin:}
  \begin{quote}
  \<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'
  }
}\{ {\bf pete.davis@enron.com} \ Start Date: 4/22/01; HourAhead hour: 3; No \<b\>ancillary\<b\> schedules awarded.
  Variances detected.
  Variances detected in \<b\>Load\<b\> schedule.
  \begin{quote}
  LOG MESSAGES:
  \begin{itemize}
  \item [PARSING] \<b\>...\<b\>}
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\}
do_test fts1c-5.1 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'questar enron OR com'
    }
} six reports:
31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2

do_test fts1c-5.2 {
    execsql {
        SELECT snippet(email) FROM email
        WHERE email MATCH 'enron OR com questar'
    }
} six reports:
31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2010 July 16
#
# 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 tests to verify that the "testable statements" in
# the lang_select.html document are correct.
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl
ifcapable !compound {
    finish_test
    return
}

do_execsql_test e_select-1.0 {
    CREATE TABLE t1(a, b);
    INSERT INTO t1 VALUES('a', 'one');
    INSERT INTO t1 VALUES('b', 'two');
    INSERT INTO t1 VALUES('c', 'three');

    CREATE TABLE t2(a, b);
    INSERT INTO t2 VALUES('a', 'I');
    INSERT INTO t2 VALUES('b', 'II');
    INSERT INTO t2 VALUES('c', 'III');

    CREATE TABLE t3(a, c);
    INSERT INTO t3 VALUES('a', 1);
    INSERT INTO t3 VALUES('b', 2);

    CREATE TABLE t4(a, c);
    INSERT INTO t4 VALUES('a', NULL);
    INSERT INTO t4 VALUES('b', 2);
} {}

set t1_cross_t2 [list
    a one  a I   a one  b II
    a one  c III b two  a I
    b two  b II  b two  c III
    c three a I  c three b II
    c three c III
]

set t1_cross_t1 [list
    a one  a one  a one  b two
    a one  c three b two  a one
    b two  b two  b two  c three
    c three a one c three b two
    c three c three
]

# This proc is a specialized version of [do_execsql_test].
#
# The second argument to this proc must be a SELECT statement that
# features a cross join of some time. Instead of the usual ",",
# "CROSS JOIN" or "INNER JOIN" join-op, the string %JOIN% must be
# substituted.
#
This test runs the SELECT three times - once with:

* s/%JOIN%/,/
* s/%JOIN%$/JOIN/
* s/%JOIN%/INNER JOIN/
* s/%JOIN%/CROSS JOIN/

and checks that each time the results of the SELECT are $res.

proc do_join_test {tn select res} {
    foreach {tn2 joinop} [list 1 2 "CROSS JOIN" 3 "INNER JOIN"] {
        set S [string map [list %JOIN% $joinop] $select]
        uplevel do_execsql_test $tn.$tn2 [list $S] [list $res]
    }
}

# The following tests check that all paths on the syntax diagrams on
# the lang_select.html page may be taken.
#
# EVIDENCE-OF: R-11353-33501 -- syntax diagram join-constraint
#
do_join_test e_select-0.1.1 {
    SELECT count(*) FROM t1 %JOIN% t2 ON (t1.a=t2.a)
} {3}
do_join_test e_select-0.1.2 {
    SELECT count(*) FROM t1 %JOIN% t2 USING (a)
} {3}
do_join_test e_select-0.1.3 {
    SELECT count(*) FROM t1 %JOIN% t2
} {9}
do_catchsql_test e_select-0.1.4 {
    SELECT count(*) FROM t1, t2 ON (t1.a=t2.a) USING (a)
} {1 {cannot have both ON and USING clauses in the same join}}
do_catchsql_test e_select-0.1.5 {
    SELECT count(*) FROM t1, t2 USING (a) ON (t1.a=t2.a)
} {1 {near "ON": syntax error}}

# EVIDENCE-OF: R-40919-40941 -- syntax diagram select-core
#
# 0: SELECT ...
# 1: SELECT DISTINCT ...
# 2: SELECT ALL ...
#
# 0: No FROM clause
# 1: Has FROM clause
#
# 0: No WHERE clause
# 1: Has WHERE clause
#
# 0: No GROUP BY clause
# 1: Has GROUP BY clause
# 2: Has GROUP BY and HAVING clauses
#
do_select_tests e_select-0.2 {
  0000.1 "SELECT 1, 2, 3 " {1 2 3}
  1000.1 "SELECT DISTINCT 1, 2, 3 " {1 2 3}
  2000.1 "SELECT ALL 1, 2, 3 " {1 2 3}
  0100.1 "SELECT a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }
  1100.1 "SELECT DISTINCT a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }
  1200.1 "SELECT ALL a, b, a||b FROM t1 " {
    a one aone b two btwo c three cthree
  }
  0010.1 "SELECT 1, 2, 3 WHERE 1 " {1 2 3}
  0010.2 "SELECT 1, 2, 3 WHERE 0 " {}
  0010.3 "SELECT 1, 2, 3 WHERE NULL " {}
  1010.1 "SELECT DISTINCT 1, 2, 3 WHERE 1 " {1 2 3}
  2010.1 "SELECT ALL 1, 2, 3 WHERE 1 " {1 2 3}
  0110.1 "SELECT a, b, a||b FROM t1 WHERE a!='x' " {
    a one aone b two btwo c three cthree
  }
  0110.2 "SELECT a, b, a||b FROM t1 WHERE a=='x'" {}
  1110.1 "SELECT DISTINCT a, b, a||b FROM t1 WHERE a!='x' " {
    a one aone b two btwo c three cthree
  }
  2110.0 "SELECT ALL a, b, a||b FROM t1 WHERE a=='x'" {}
  0001.1 "SELECT 1, 2, 3 GROUP BY 2 " {1 2 3}
  0002.1 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)=1" {1 2 3}
  0002.2 "SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {}
  1001.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 " {1 2 3}
  1002.1 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)=1" {1 2 3}
  1002.2 "SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {}
2001.1  "SELECT ALL 1, 2, 3 GROUP BY 2" [1 2 3]
2002.1  "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)=1" [1 2 3]
2002.2  "SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)>1" {}

0101.1  "SELECT count(*), max(a) FROM t1 GROUP BY b" [1 a 1 c 1 b]
0102.1  "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {
  1 a 1 c 1 b
}
0102.2  "SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {}

1101.1  "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b" [1 a 1 c 1 b]
1102.1  "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {
  1 a 1 c 1 b
}
1102.2  "SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {}

2101.1  "SELECT ALL count(*), max(a) FROM t1 GROUP BY b" [1 a 1 c 1 b]
2102.1  "SELECT ALL count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" {
  1 a 1 c 1 b
}
2102.2  "SELECT ALL count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=2" {}

0011.1  "SELECT 1, 2, 3 WHERE 1 GROUP BY 2" [1 2 3]
0012.1  "SELECT 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)=1" {}
0012.2  "SELECT 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)>1" {}

1011.1  "SELECT DISTINCT 1, 2, 3 WHERE 0 GROUP BY 2" {}
1012.1  "SELECT DISTINCT 1, 2, 3 WHERE 1 GROUP BY 2 HAVING count(*)=1" [1 2 3]
1012.2  "SELECT DISTINCT 1, 2, 3 WHERE NULL GROUP BY 2 HAVING count(*)>1" {}

2011.1  "SELECT ALL 1, 2, 3 WHERE 1 GROUP BY 2" [1 2 3]
2012.1  "SELECT ALL 1, 2, 3 WHERE 0 GROUP BY 2 HAVING count(*)=1" {}
2012.2  "SELECT ALL 1, 2, 3 WHERE 'abc' GROUP BY 2 HAVING count(*)>1" {}

0111.1  "SELECT count(*), max(a) FROM t1 WHERE a='a' GROUP BY b" [1 a]
0112.1  "SELECT count(*), max(a) FROM t1 WHERE a='c' GROUP BY b HAVING count(*)=1" [1 c]
0112.2  "SELECT count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" {}
1111.1  "SELECT DISTINCT count(*), max(a) FROM t1 WHERE a<'c' GROUP BY b" [1 a 1 b]
1112.1 "SELECT DISTINCT count(*), max(a) FROM t1 WHERE a>'a' GROUP BY b HAVING count(*)=1" { 
  1 c 1 b 
} 
1112.2 "SELECT DISTINCT count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" { 
} 
2111.1 "SELECT ALL count(*), max(a) FROM t1 WHERE b>'one' GROUP BY b" 
  {1 c 1 b} 
2112.1 "SELECT ALL count(*), max(a) FROM t1 WHERE a!='b' GROUP BY b HAVING count(*)=1" { 
  1 a 1 c 
} 
2112.2 "SELECT ALL count(*), max(a) FROM t1 WHERE 0 GROUP BY b HAVING count(*)=2" { } 
} 

# EVIDENCE-OF: R-41378-26734 -- syntax diagram result-column
#
do_select_tests e_select-0.3 { 
  1 "SELECT * FROM t1" {a one b two c three} 
  2 "SELECT t1.* FROM t1" {a one b two c three} 
  3 "SELECT 'x'||a||'x' FROM t1" {xax xbx xcx} 
  4 "SELECT 'x'||a||'x' alias FROM t1" {xax xbx xcx} 
  5 "SELECT 'x'||a||'x' AS alias FROM t1" {xax xbx xcx} 
} 

# EVIDENCE-OF: R-43129-35648 -- syntax diagram join-source
#
# EVIDENCE-OF: R-36683-37460 -- syntax diagram join-op
#
do_select_tests e_select-0.4 { 
  1 "SELECT t1.rowid FROM t1" {1 2 3} 
  2 "SELECT t1.rowid FROM t1,t2" {1 1 1 2 2 2 3 3 3} 
  3 "SELECT t1.rowid FROM t1,t2,t3" {1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3} 
  4 "SELECT t1.rowid FROM t1" {1 2 3} 
  5 "SELECT t1.rowid FROM t1 JOIN t2" {1 1 1 2 2 2 3 3} 
  6 "SELECT t1.rowid FROM t1 JOIN t2 JOIN t3" 
        {1 1 1 1 1 2 2 2 2 2 2 3 3 3 3 3} 
  7 "SELECT t1.rowid FROM t1 NATURAL JOIN t3" {1 2} 
  8 "SELECT t1.rowid FROM t1 NATURAL LEFT OUTER JOIN t3" {1 2 3} 
  9 "SELECT t1.rowid FROM t1 NATURAL LEFT JOIN t3" {1 2 3} 
 10 "SELECT t1.rowid FROM t1 NATURAL INNER JOIN t3" {1 2} 
 11 "SELECT t1.rowid FROM t1 NATURAL CROSS JOIN t3" {1 2}
12 "SELECT t1.rowid FROM t1 JOIN t3" {1 1 2 2 3 3}
13 "SELECT t1.rowid FROM t1 LEFT OUTER JOIN t3" {1 1 2 2 3 3}
14 "SELECT t1.rowid FROM t1 LEFT JOIN t3" {1 1 2 2 3 3}
15 "SELECT t1.rowid FROM t1 INNER JOIN t3" {1 1 2 2 3 3}
16 "SELECT t1.rowid FROM t1 CROSS JOIN t3" {1 1 2 2 3 3}
}

# EVIDENCE-OF: R-28308-37813 -- syntax diagram compound-operator
#
# do_select_tests e_select-0.5 {
1  "SELECT rowid FROM t1 UNION ALL SELECT rowid+2 FROM t4" {1 2 3 3 4}
2  "SELECT rowid FROM t1 UNION SELECT rowid+2 FROM t4" {1 2 3 4}
3  "SELECT rowid FROM t1 INTERSECT SELECT rowid+2 FROM t4" {3}
4  "SELECT rowid FROM t1 EXCEPT SELECT rowid+2 FROM t4" {1 2}
}

# EVIDENCE-OF: R-06480-34950 -- syntax diagram ordering-term
#
# do_select_tests e_select-0.6 {
1  "SELECT b||a FROM t1 ORDER BY b||a"                  {onea threec twob}  
2  "SELECT b||a FROM t1 ORDER BY (b||a) COLLATE nocase" {onea threec twob}  
3  "SELECT b||a FROM t1 ORDER BY (b||a) ASC"            {onea threec twob}  
4  "SELECT b||a FROM t1 ORDER BY (b||a) DESC"           {twob threec onea}  
}

# EVIDENCE-OF: R-23926-36668 -- syntax diagram select-stmt
#
# do_select_tests e_select-0.7 {
1  "SELECT * FROM t1" {a one b two c three} 
2  "SELECT * FROM t1 ORDER BY b" {a one c three b two} 
3  "SELECT * FROM t1 ORDER BY b, a" {a one c three b two} 
4  "SELECT * FROM t1 LIMIT 10" {a one b two c three} 
5  "SELECT * FROM t1 LIMIT 10 OFFSET 5" {} 
6  "SELECT * FROM t1 LIMIT 10, 5" {} 
7  "SELECT * FROM t1 ORDER BY a LIMIT 10" {a one b two c three} 
8  "SELECT * FROM t1 ORDER BY b LIMIT 10 OFFSET 5" {} 
9  "SELECT * FROM t1 ORDER BY a,b LIMIT 10, 5" {} 
10  "SELECT * FROM t1 UNION SELECT b, a FROM t1" {a one b two c three one a three c two b} 
11  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b" {one a two b three c a one c three b two} 
12  "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b, a" {one a two b three c a one c three b two} 
13  "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10"
{a one b two c three one a three c two b}
14 "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10 OFFSET 5"
  {two b}
15 "SELECT * FROM t1 UNION SELECT b, a FROM t1 LIMIT 10, 5"
  {}\n16 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a LIMIT 10"
  {a one b two c three one a three c two b}
17 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY b LIMIT 10 OFFSET 5"
  {b two}
18 "SELECT * FROM t1 UNION SELECT b, a FROM t1 ORDER BY a,b LIMIT 10, 5"
  {}\n}

# The following tests focus on FROM clause (join) processing.
#

# EVIDENCE-OF: R-16074-54196 If the FROM clause is omitted from a simple
# SELECT statement, then the input data is implicitly a single row zero
# columns wide
#
do_select_tests e_select-1.1 [ 1 "SELECT 'abc"  {abc}  
2 "SELECT 'abc' WHERE NULL" {}  
3 "SELECT NULL"  {{}}  
4 "SELECT count(*)"  {1}  
5 "SELECT count(*) WHERE 0"  [0]  
6 "SELECT count(*) WHERE 1"  [1] ]

# EVIDENCE-OF: R-48114-33255 If there is only a single table in the
# join-source following the FROM clause, then the input data used by the
# SELECT statement is the contents of the named table.
#
# The results of the SELECT queries suggest that they are operating on the
# contents of the table 'xx'.
#
do_execsql_test e_select-1.2.0 [ CREATE TABLE xx(x, y);  INSERT INTO xx VALUES(‘IiJlsIPepMuAhU’, X’10B00B897A15BAA02E3F98DCE8F2’);  INSERT INTO xx VALUES(NULL, -16.87);  INSERT INTO xx VALUES(-17.89, ’linguistically’); ] {}

# do_select_tests e_select-1.2 [ 1 "SELECT quote(x), quote(y) FROM xx"  {’IiJlsIPepMuAhU’ X’10B00B897A15BAA02E3F98DCE8F2’  
  NULL  -16.87  
  -17.89  ’linguistically’}

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2  "SELECT count(*), count(x), count(y) FROM xx"  { 3 2 3 }
3  "SELECT sum(x), sum(y) FROM xx"  {-17.89 -16.87}
}

# EVIDENCE-OF: R-23593-12456 If there is more than one table specified
# as part of the join-source following the FROM keyword, then the
# contents of each named table are joined into a single dataset for the
# simple SELECT statement to operate on.
#
# There are more detailed tests for subsequent requirements that add
# more detail to this idea. We just add a single test that shows that
# data is coming from each of the three tables following the FROM clause
# here to show that the statement, vague as it is, is not incorrect.
#
do_select_tests e_select-1.3 {
  1  "SELECT * FROM t1, t2, t3"  {
    a one a I a 1 a one a I a 1 b 2 a one b II a 1
    a one b II b 2 a one c III a 1 a one c III b 2
    b two a I a 1 b two a I b 2 b two b II a 1
    b two b II b 2 b two c III a 1 b two c III b 2
    c three a I a 1 c three a I b 2 c three b II a 1
    c three b II b 2 c three c III a 1 c three c III b 2
  }
}

#
# The following block of tests - e_select-1.4.* - test that the description
# of cartesian joins in the SELECT documentation is consistent with SQLite.
# In doing so, we test the following three requirements as a side-effect:
#
# EVIDENCE-OF: R-46122-14930 If the join-op is "CROSS JOIN", "INNER
# JOIN", "JOIN" or a comma ("," ) and there is no ON or USING clause,
# then the result of the join is simply the cartesian product of the
# left and right-hand datasets.
#
# The tests are built on this assertion. Really, they test that the output
# of a CROSS JOIN, JOIN, INNER JOIN or ",," join matches the expected result
# of calculating the cartesian product of the left and right-hand datasets.
#
# EVIDENCE-OF: R-46256-57243 There is no difference between the "INNER
# JOIN", "JOIN" and ",," join operators.
#
# EVIDENCE-OF: R-07544-24155 The "CROSS JOIN" join operator produces the
# same data as the "INNER JOIN", "JOIN" and ",," operators.
#
# All tests are run 4 times, with the only difference in each run being
which of the 4 equivalent cartesian product join operators are used.
Since the output data is the same in all cases, we consider that this qualifies as testing the two statements above.

```
do_execsql_test e_select-1.4.0 {
CREATE TABLE x1(a, b);
CREATE TABLE x2(c, d, e);
CREATE TABLE x3(f, g, h, i);

-- x1: 3 rows, 2 columns
INSERT INTO x1 VALUES(24, 'converging');
INSERT INTO x1 VALUES(NULL, X'CB71');
INSERT INTO x1 VALUES('blonds', 'proprietary');

-- x2: 2 rows, 3 columns
INSERT INTO x2 VALUES(-60.06, NULL, NULL);
INSERT INTO x2 VALUES(-58, NULL, 1.21);

-- x3: 5 rows, 4 columns
INSERT INTO x3 VALUES(-39.24, NULL, 'encompass', -1);
INSERT INTO x3 VALUES('presenting', 51, 'reformation', 'dignified');
INSERT INTO x3 VALUES('conducting', -87.24, 37.56, NULL);
INSERT INTO x3 VALUES('coldest', -96, 'dramatists', 82.3);
INSERT INTO x3 VALUES('alerting', NULL, -93.79, NULL);
}
```

EVIDENCE-OF: R-59089-25828 The columns of the cartesian product dataset are, in order, all the columns of the left-hand dataset followed by all the columns of the right-hand dataset.

```
do_join_test e_select-1.4.1.1 {
SELECT * FROM x1 %JOIN% x2 LIMIT 1
} [concat {24 converging} {-60.06 {} {}}]
```
```
do_join_test e_select-1.4.1.2 {
SELECT * FROM x2 %JOIN% x1 LIMIT 1
} [concat {-60.06 {} {}} {24 converging}]
```
```
do_join_test e_select-1.4.1.3 {
SELECT * FROM x3 %JOIN% x2 LIMIT 1
} [concat {-39.24 {} encompass -1} {-60.06 {} {}}]
```
```
do_join_test e_select-1.4.1.4 {
SELECT * FROM x2 %JOIN% x3 LIMIT 1
} [concat {-60.06 {} {}} {-39.24 {} encompass -1}]
```

EVIDENCE-OF: R-44414-54710 There is a row in the cartesian product dataset formed by combining each unique combination of a row from the
### TODO: Come back and add a few more like the above.

In other words, if the left-hand dataset consists of NLhs rows of MLhs columns, and the right-hand dataset of NRhs rows of MRhs columns, then the cartesian product is a dataset of NLhs.NRhs rows, each containing MLhs+MRhs columns.

```
# x1, x2    (NLhs=3, NRhs=2)   (MLhs=2, MRhs=3)
do_join_test e_select-1.4.3.1 {
  SELECT count(*) FROM x1 %JOIN% x2
} [expr 3*2]
do_test e_select-1.4.3.2 {
  expr ([llength [execsql {SELECT * FROM x1, x2}]] / 6)
} [expr 2+3]
```

```
# x2, x3    (NLhs=2, NRhs=5)   (MLhs=3, MRhs=4)
do_join_test e_select-1.4.3.3 {
  SELECT count(*) FROM x2 %JOIN% x3
} [expr 2*5]
do_test e_select-1.4.3.4 {
  expr ([llength [execsql {SELECT * FROM x2 JOIN x3}]] / 10)
} [expr 3+4]
```

```
# x3, x1    (NLhs=5, NRhs=3)   (MLhs=4, MRhs=2)
do_join_test e_select-1.4.3.5 {
  SELECT count(*) FROM x3 %JOIN% x1
} [expr 5*3]
do_test e_select-1.4.3.6 {
  expr ([llength [execsql {SELECT * FROM x3 CROSS JOIN x1}]] / 15)
} [expr 4+2]
```

```
# x3, x3    (NLhs=5, NRhs=5)   (MLhs=4, MRhs=4)
do_join_test e_select-1.4.3.7 {
```
SELECT count(*) FROM x3 \JOIN x3
} [expr 5*5]
do_test e_select-1.4.3.8 {
  expr {{llength [execsql {SELECT * FROM x3 INNER JOIN x3 AS x4}]] / 25}
} [expr 4+4]

# Some extra cartesian product tests using tables t1 and t2.
#
do_execsql_test e_select-1.4.4.1 { SELECT * FROM t1, t2 } $t1_cross_t2
do_execsql_test e_select-1.4.4.2 { SELECT * FROM t1 AS x, t1 AS y} $t1_cross_t1
do_select_tests e_select-1.4.5 [list
  1 { SELECT * FROM t1 CROSS JOIN t2 } $t1_cross_t2
  2 { SELECT * FROM t1 AS y CROSS JOIN t1 AS x } $t1_cross_t1
  3 { SELECT * FROM t1 INNER JOIN t2 } $t1_cross_t2
  4 { SELECT * FROM t1 AS y INNER JOIN t1 AS x } $t1_cross_t1
]

# EVIDENCE-OF: R-22775-56496 If there is an ON clause specified, then
# the ON expression is evaluated for each row of the cartesian product
# as a boolean expression. All rows for which the expression evaluates
# to false are excluded from the dataset.
#
foreach {tn select res} [list
  1 { SELECT * FROM t1 \JOIN t2 ON (1) } $t1_cross_t2
  2 { SELECT * FROM t1 \JOIN t2 ON (0) } [list]
  3 { SELECT * FROM t1 \JOIN t2 ON (NULL) } [list]
  4 { SELECT * FROM t1 \JOIN t2 ON ('abc') } [list]
  5 { SELECT * FROM t1 \JOIN t2 ON ('1ab') } $t1_cross_t2
  6 { SELECT * FROM t1 \JOIN t2 ON (0.9) } $t1_cross_t2
  7 { SELECT * FROM t1 \JOIN t2 ON ('0.9') } $t1_cross_t2
  8 { SELECT * FROM t1 \JOIN t2 ON (0.0) } [list]
  9 { SELECT t1.b, t2.b FROM t1 \JOIN t2 ON (t1.a = t2.a) } [one I two II three III]
 10 { SELECT t1.b, t2.b FROM t1 \JOIN t2 ON (t1.a = 'a') } [one I one II one III]
 11 { SELECT t1.b, t2.b FROM t1 \JOIN t2 ON (CASE WHEN t1.a = 'a' THEN NULL ELSE 1 END) } [two I two II two III three I three II three III]
] {do_join_test e_select-1.3.$tn $select $res}

# EVIDENCE-OF: R-63358-54862 If there is a USNG clause specified as
# part of the join-constraint, then each of the column names specified
# must exist in the datasets to both the left and right of the join-op.
# do select tests e select-1.4 -error {
    cannot join using column %s - column not present in both tables
} {
    1 { SELECT * FROM t1, t3 USING (b) }   "b"
    2 { SELECT * FROM t3, t1 USING (c) }   "c"
    3 { SELECT * FROM t3, (SELECT a AS b, b AS c FROM t1) USING (a) }   "a"
"
# EVIDENCE-OF: R-55987-04584 For each pair of namesake columns, the
# expression "lhs.X = rhs.X" is evaluated for each row of the cartesian
# product as a boolean expression. All rows for which one or more of the
# expressions evaluates to false are excluded from the result set.
#
# do select tests e select-1.5 {
    1 { SELECT * FROM t1, t3 USING (a) }   {a one 1 b two 2}
    2 { SELECT * FROM t3, t4 USING (a,c) }   {b 2}
"
# EVIDENCE-OF: R-54046-48600 When comparing values as a result of a
# USING clause, the normal rules for handling affinities, collation
# sequences and NULL values in comparisons apply.
# # EVIDENCE-OF: R-35466-18578 The column from the dataset on the
# left-hand side of the join operator is considered to be on the
# left-hand side of the comparison operator (=) for the purposes of
# collation sequence and affinity precedence.
# # do execsql test e select-1.6.0 {
CREATE TABLE t5(a COLLATE nocase, b COLLATE binary);
    INSERT INTO t5 VALUES('AA', 'cc');
    INSERT INTO t5 VALUES('BB', 'dd');
    CREATE TABLE t6(a COLLATE binary, b COLLATE nocase);
    INSERT INTO t6 VALUES('aa', 'cc');
    INSERT INTO t6 VALUES('bb', 'DD');
FOREACH {tn select res} {
    1 { SELECT * FROM t5 %JOIN% t6 USING (a) }   {AA cc cc BB dd DD}
    2 { SELECT * FROM t5 %JOIN% t5 USING (a) }   {}
    3 { SELECT * FROM (SELECT a COLLATE nocase, b FROM t6) %JOIN% t5 USING (a) }
    {aa cc cc bb DD dd}
    4 { SELECT * FROM t5 %JOIN% t6 USING (a,b) }   {AA cc}
    5 { SELECT * FROM t6 %JOIN% t5 USING (a,b) }   {}
    DO JOIN TEST e select-1.6.$tn $select $res
}
For each pair of columns identified by a USING clause, the column from the right-hand dataset is omitted from the joined dataset.

This is the only difference between a USING clause and its equivalent ON constraint.

do_join_test e_select-1.7.$tn $select $res

do_execsql_test e_select-1.8.0 {
CREATE TABLE t7(a, b, c);
CREATE TABLE t8(a, d, e);

INSERT INTO t7 VALUES('x', 'ex', 24);
INSERT INTO t7 VALUES('y', 'why', 25);

INSERT INTO t8 VALUES('x', 'abc', 24);
INSERT INTO t8 VALUES('z', 'ghi', 26);
} { }
do_select_tests e_select-1.8 {
  1a "SELECT count(*) FROM t7 JOIN t8 ON (t7.a=t8.a)" {1}
  1b "SELECT count(*) FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)" {2}
  2a "SELECT count(*) FROM t7 JOIN t8 USING (a)" {1}
  2b "SELECT count(*) FROM t7 LEFT JOIN t8 USING (a)" {2}
}

# EVIDENCE-OF: R-15607-52988 The added rows contain NULL values in the
# columns that would normally contain values copied from the right-hand
# input dataset.
#
do_select_tests e_select-1.9 {
  1a "SELECT * FROM t7 JOIN t8 ON (t7.a=t8.a)" {x ex 24 x abc 24}
  1b "SELECT * FROM t7 LEFT JOIN t8 ON (t7.a=t8.a)"
     {x ex 24 x abc 24 y why 25 {} {} {}}
  2a "SELECT * FROM t7 JOIN t8 USING (a)" {x ex 24 abc 24}
  2b "SELECT * FROM t7 LEFT JOIN t8 USING (a)" {x ex 24 abc 24 y why 25 {} {}}
}

# EVIDENCE-OF: R-01809-52134 If the NATURAL keyword is added to any of
# the join-ops, then an implicit USING clause is added to the
# join-constraints. The implicit USING clause contains each of the
# column names that appear in both the left and right-hand input
# datasets.
#
do_select_tests e_select-1-10 {
  1a "SELECT * FROM t7 JOIN t8 USING (a)" {x ex 24 abc 24}
  1b "SELECT * FROM t7 NATURAL JOIN t8"  {x ex 24 abc 24}
  2a "SELECT * FROM t8 JOIN t7 USING (a)" {x abc 24 ex 24}
  2b "SELECT * FROM t8 NATURAL JOIN t7"  {x abc 24 ex 24}
  3a "SELECT * FROM t7 LEFT JOIN t8 USING (a)" {x ex 24 abc 24 y why 25 {} {}}
  3b "SELECT * FROM t7 NATURAL LEFT JOIN t8" {x ex 24 abc 24 y why 25 {} {}}
  4a "SELECT * FROM t8 LEFT JOIN t7 USING (a)" {x abc 24 ex 24 z ghi 26 {} {}}
  4b "SELECT * FROM t8 NATURAL LEFT JOIN t7" {x abc 24 ex 24 z ghi 26 {} {}}
  5a "SELECT * FROM t3 JOIN t4 USING (a,c)" {b 2}
  5b "SELECT * FROM t3 NATURAL JOIN t4"  {b 2}
  6a "SELECT * FROM t3 LEFT JOIN t4 USING (a,c)" {a 1 b 2}
  6b "SELECT * FROM t3 NATURAL LEFT JOIN t4" {a 1 b 2}
}

# EVIDENCE-OF: R-49566-01570 If the left and right-hand input datasets
# feature no common column names, then the NATURAL keyword has no effect
# on the results of the join.
#
do_execsql_test e_select-1.11.0 {
    CREATE TABLE t10(x, y);
    INSERT INTO t10 VALUES(1, 'true');
    INSERT INTO t10 VALUES(0, 'false');
} {}
do_select_tests e_select-1-11 {
    1a "SELECT a, x FROM t1 CROSS JOIN t10" {a 1 a 0 b 1 b 0 c 1 c 0}
    1b "SELECT a, x FROM t1 NATURAL CROSS JOIN t10" {a 1 a 0 b 1 b 0 c 1 c 0}
}

# EVIDENCE-OF: R-39625-59133 A USING or ON clause may not be added to a
# join that specifies the NATURAL keyword.
#
foreach {tn sql} {
    1 {SELECT * FROM t1 NATURAL LEFT JOIN t2 USING (a)}
    2 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (t1.a=t2.a)}
    3 {SELECT * FROM t1 NATURAL LEFT JOIN t2 ON (45)}
} {
    do_catchsql_test e_select-1.12.$tn "
    $sql
    " {1 {a NATURAL join may not have an ON or USING clause}}
}

#-------------------------------------------------------------------------
# The next block of tests - e_select-3.* - concentrate on verifying
# statements made regarding WHERE clause processing.
#
drop_all_tables
do_execsql_test e_select-3.0 {
    CREATE TABLE x1(k, x, y, z);
    INSERT INTO x1 VALUES(1, 'relinquished', 'aphasia', 78.43);
    INSERT INTO x1 VALUES(2, X'A8E8D66F',    X'07CF',   -81);
    INSERT INTO x1 VALUES(3, -22,            -27.57,    NULL);
    INSERT INTO x1 VALUES(4, NULL,           'bygone',  'picky');
    INSERT INTO x1 VALUES(5, NULL,           96.28,     NULL);
    INSERT INTO x1 VALUES(6, 0,              1,         2);

    CREATE TABLE x2(k, x, y2);
    INSERT INTO x2 VALUES(1, 50, X'B82838');
    INSERT INTO x2 VALUES(5, 84.79, 65.88);
    INSERT INTO x2 VALUES(3, -22, X'0E1BE452A393');
    INSERT INTO x2 VALUES(7, 'mistrusted', 'standardized');
} {}

# EVIDENCE-OF: R-06999-14330 If a WHERE clause is specified, the WHERE
# expression is evaluated for each row in the input data as a boolean
# expression. All rows for which the WHERE clause expression evaluates
# to false are excluded from the dataset before continuing.
#
# do_execsql_test e_select-3.1.1 { SELECT k FROM x1 WHERE x }         {3}
do_execsql_test e_select-3.1.2 { SELECT k FROM x1 WHERE y }         {3 5 6}
do_execsql_test e_select-3.1.3 { SELECT k FROM x1 WHERE z }         {1 2 6}
do_execsql_test e_select-3.1.4 { SELECT k FROM x1 WHERE '1'||z }      {1 2 4 6}
do_execsql_test e_select-3.1.5 { SELECT k FROM x1 WHERE x IS NULL }   {4 5}
do_execsql_test e_select-3.1.6 { SELECT k FROM x1 WHERE z - 78.43 }   {2 4 6}

do_execsql_test e_select-3.2.1a {
  SELECT k FROM x1 LEFT JOIN x2 USING(k)
} {1 2 3 4 5 6}
do_execsql_test e_select-3.2.1b {
  SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k
} {1 3 5}
do_execsql_test e_select-3.2.2 {
  SELECT k FROM x1 LEFT JOIN x2 USING(k) WHERE x2.k IS NULL
} {2 4 6}
do_execsql_test e_select-3.2.3 {
  SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k
} {3}
do_execsql_test e_select-3.2.4 {
  SELECT k FROM x1 NATURAL JOIN x2 WHERE x2.k-3
} {}
INSERT INTO z3 VALUES('subsistence', 'gauze');
INSERT INTO z3 VALUES(49.17, -67);

# EVIDENCE-OF: R-36327-17224 If a result expression is the special
# expression "*" then all columns in the input data are substituted for
# that one expression.
#
# EVIDENCE-OF: R-43693-30522 If the expression is the alias of a table
# or subquery in the FROM clause followed by ".*" then all columns from
# the named table or subquery are substituted for the single expression.
#
do_select_tests e_select-4.1 {
  1  "SELECT * FROM z1 LIMIT 1"                   {51.65 -59.58 belfries}
  2  "SELECT * FROM z1,z2 LIMIT 1"               {51.65 -59.58 belfries {} 21}
  3  "SELECT z1.* FROM z1,z2 LIMIT 1"            {51.65 -59.58 belfries}
  4  "SELECT z2.*, FROM z1,z2 LIMIT 1"           {{} 21}
  5  "SELECT z2.*, z1.* FROM z1,z2 LIMIT 1"      {{} 21 51.65 -59.58 belfries}

  6  "SELECT count(*), * FROM z1"                {6 63 born -26}
  7  "SELECT max(a), * FROM z1"                  {63 63 born -26}
  8  "SELECT *, min(a) FROM z1"                   {-5 {} 75 -5}

  9  "SELECT *,* FROM z1,z2 LIMIT 1"             
      51.65 -59.58 belfries {} 21 51.65 -59.58 belfries {} 21

 10 "SELECT z1.*,z1.* FROM z2,z1 LIMIT 1"       
     51.65 -59.58 belfries 51.65 -59.58 belfries
}

# EVIDENCE-OF: R-61869-22578 It is an error to use a ".*" or "alias.*"
# expression in any context other than than a result expression list.
#
# EVIDENCE-OF: R-44324-41166 It is also an error to use a ".*" or
# "alias.*" expression in a simple SELECT query that does not have a
# FROM clause.
#
foreach {tn select err} {
  1.1 "SELECT a, b, c FROM z1 WHERE *"       near ".": syntax error
  1.2 "SELECT a, b, c FROM z1 GROUP BY *"    near ".": syntax error
  1.3 "SELECT 1 + * FROM z1"                  near "+": syntax error
  1.4 "SELECT * + 1 FROM z1"                  near "+": syntax error

  2.1 "SELECT *"                              {no tables specified}
  2.2 "SELECT * WHERE 1"                      {no tables specified}
  2.3 "SELECT * WHERE 0"                      {no tables specified}
2.4 "SELECT count(*), *" [no tables specified] 
} 
do_catchsql_test e_select-4.2.$tn $select [list 1 $err]
}

# EVIDENCE-OF: R-08669-22397 The number of columns in the rows returned 
# by a simple SELECT statement is equal to the number of expressions in 
# the result expression list after substitution of * and alias.* 
# expressions.
#
foreach {tn select nCol} {
1   "SELECT * FROM z1"   3
2   "SELECT * FROM z1 NATURAL JOIN z3"            3
3   "SELECT z1.* FROM z1 NATURAL JOIN z3"         3
4   "SELECT z3.* FROM z1 NATURAL JOIN z3"         2
5   "SELECT z1.*, z3.* FROM z1 NATURAL JOIN z3"   5
6   "SELECT 1, 2, z1.* FROM z1"                   5
7   "SELECT a, *, b, c FROM z1"                   6
} {
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
do_test e_select-4.3.$tn { sqlite3_column_count $::stmt } $nCol
sqlite3_finalize $::stmt
}

# In lang_select.html, a non-aggregate query is defined as any simple SELECT 
# that has no GROUP BY clause and no aggregate expressions in the result 
# expression list. Other queries are aggregate queries. Test cases 
# e_select-4.4.* through e_select-4.12.*, inclusive, which test the part of 
# simple SELECT that is different for aggregate and non-aggregate queries 
# verify (in a way) that these definitions are consistent:
#
# EVIDENCE-OF: R-20637-43463 A simple SELECT statement is an aggregate 
# query if it contains either a GROUP BY clause or one or more aggregate 
# functions in the result-set.
#
# EVIDENCE-OF: R-23155-55597 Otherwise, if a simple SELECT contains no 
# aggregate functions or a GROUP BY clause, it is a non-aggregate query.
#
# EVIDENCE-OF: R-44050-47362 If the SELECT statement is a non-aggregate 
# query, then each expression in the result expression list is evaluated 
# for each row in the dataset filtered by the WHERE clause.
#
do_select_tests e_select-4.4 {
1   "SELECT a, b FROM z1"
   {51.65 -59.58 -5 1 -2.2 -23.18 {} 67 -1.04 -32.3 63 born]
2 "SELECT a IS NULL, b+1, * FROM z1" {
   0 -58.58 51.65 -59.58 belfries
   0 {} -5 {} 75
   0 -22.18 -2.2 -23.18 suiters
   1 68 {} 67 quartets
   0 -31.3 -1.04 -32.3 aspen
   0 1 63 born -26
}

3 "SELECT 32*32, d||e FROM z2" {1024 {} 1024 366}
}

# Test cases e_select-4.5.* and e_select-4.6.* together show that:
#
# EVIDENCE-OF: R-51988-01124 The single row of result-set data created
# by evaluating the aggregate and non-aggregate expressions in the
# result-set forms the result of an aggregate query without a GROUP BY
# clause.
#
#
# EVIDENCE-OF: R-57629-25253 If the SELECT statement is an aggregate
# query without a GROUP BY clause, then each aggregate expression in the
# result-set is evaluated once across the entire dataset.
#
# do_select_tests e_select-4.5 {
1 "SELECT count(a), max(a), count(b), max(b) FROM z1" {5 63 5 born}
2 "SELECT count(*), max(1)" {1 1}
3 "SELECT sum(b+1) FROM z1 NATURAL LEFT JOIN z3" {-43.06}
4 "SELECT sum(b+2) FROM z1 NATURAL LEFT JOIN z3" {-38.06}
5 "SELECT sum(b IS NOT NULL) FROM z1 NATURAL LEFT JOIN z3" {5}
}

# EVIDENCE-OF: R-26684-40576 Each non-aggregate expression in the
# result-set is evaluated once for an arbitrarily selected row of the
# dataset.
#
# EVIDENCE-OF: R-27994-60376 The same arbitrarily selected row is used
# for each non-aggregate expression.
#
# Note: The results of many of the queries in this block of tests are
# technically undefined, as the documentation does not specify which row
# SQLite will arbitrarily select to use for the evaluation of the
# non-aggregate expressions.
#
drop_all_tables
CREATE TABLE a1(one PRIMARY KEY, two);
INSERT INTO a1 VALUES(1, 1);
INSERT INTO a1 VALUES(2, 3);
INSERT INTO a1 VALUES(3, 6);
INSERT INTO a1 VALUES(4, 10);

CREATE TABLE a2(one PRIMARY KEY, three);
INSERT INTO a2 VALUES(1, 1);
INSERT INTO a2 VALUES(3, 2);
INSERT INTO a2 VALUES(6, 3);
INSERT INTO a2 VALUES(10, 4);

1  "SELECT one, two, count(*) FROM a1"                        {4 10 4}
2  "SELECT one, two, count(*) FROM a1 WHERE one<3"            {2 3 2}
3  "SELECT one, two, count(*) FROM a1 WHERE one>3"            {4 10 1}
4  "SELECT *, count(*) FROM a1 JOIN a2"                       {4 10 4 16}
5  "SELECT *, sum(three) FROM a1 NATURAL JOIN a2"             {3 6 2 3}
6  "SELECT *, sum(three) FROM a1 NATURAL JOIN a2"             {3 6 2 3}
7  "SELECT group_concat(three, ","), a1.* FROM a1 NATURAL JOIN a2" {12 3 6}

# EVIDENCE-OF: R-04486-07266 Or, if the dataset contains zero rows, then
# each non-aggregate expression is evaluated against a row consisting
# entirely of NULL values.

# EVIDENCE-OF: R-64138-28774 An aggregate query without a GROUP BY
# clause always returns exactly one row of data, even if there are zero
# rows of input data.

foreach {tn select} {  
8.1  "SELECT count(*) FROM a1"
8.2  "SELECT count(*) FROM a1 WHERE 0"
8.3  "SELECT count(*) FROM a1 WHERE 1"
8.4  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 1"  
8.5  "SELECT max(a1.one)+min(two), a1.one, two, * FROM a1, a2 WHERE 0"
}  

# Set $nRow to the number of rows returned by $select:
set ::stmt [sqlite3_prepare_v2 db $select -1 DUMMY]
set nRow 0
while {"SQLITE_ROW" == [sqlite3_step $::stmt]} { incr nRow }
set rc [sqlite3_finalize $::stmt]

# Test that $nRow==1 and that statement execution was successful
# (rc==SQLITE_OK).
do_test e_select-4.$tn [list list $rc $nRow] {SQLITE_OK 1}
}
drop_all_tables

do_execsql_test e_select-4.9.0 {
CREATE TABLE b1(one PRIMARY KEY, two);
INSERT INTO b1 VALUES(1, 'o');
INSERT INTO b1 VALUES(4, 't');
INSERT INTO b1 VALUES(3, 't');
INSERT INTO b1 VALUES(2, 't');
INSERT INTO b1 VALUES(5, 'f');
INSERT INTO b1 VALUES(7, 's');
INSERT INTO b1 VALUES(6, 's');
CREATE TABLE b2(x, y);
INSERT INTO b2 VALUES(NULL, 0);
INSERT INTO b2 VALUES(NULL, 1);
INSERT INTO b2 VALUES('xyz', 2);
INSERT INTO b2 VALUES('abc', 3);
INSERT INTO b2 VALUES('xyz', 4);
CREATE TABLE b3(a COLLATE nocase, b COLLATE binary);
INSERT INTO b3 VALUES('abc', 'abc');
INSERT INTO b3 VALUES('aBC', 'aBC');
INSERT INTO b3 VALUES('Def', 'Def');
INSERT INTO b3 VALUES('dEF', 'dEF');
} {}

# EVIDENCE-OF: R-57754-57109 If the SELECT statement is an aggregate
# query with a GROUP BY clause, then each of the expressions specified
# as part of the GROUP BY clause is evaluated for each row of the
# dataset. Each row is then assigned to a "group" based on the results;
# rows for which the results of evaluating the GROUP BY expressions are
# the same are assigned to the same group.
#
# These tests also show that the following is not untrue:
#
# EVIDENCE-OF: R-25883-55063 The expressions in the GROUP BY clause do
# not have to be expressions that appear in the result.
#
do_select_tests e_select-4.9 {
1 "SELECT group_concat(one), two FROM b1 GROUP BY two" {
"SELECT group_concat(one), sum(one) FROM b1 GROUP BY (one>4)" 
 1,2,3,4 10  5,6,7 18 
"SELECT group_concat(one) FROM b1 GROUP BY (two>'o'), one%2" 
 1,5  2,6  3,7 
"SELECT group_concat(one) FROM b1 GROUP BY (one==2 OR two=='o')" 
 4,3,5,7,6  1,2 

# EVIDENCE-OF: R-14926-50129 For the purposes of grouping rows, NULL
# values are considered equal.
#
do_select_tests e_select-4.10 {
  1 "SELECT group_concat(y) FROM b2 GROUP BY x" 

  2 "SELECT count(*) FROM b2 GROUP BY CASE WHEN y<4 THEN NULL ELSE 0 END" 
}

# EVIDENCE-OF: R-10470-30318 The usual rules for selecting a collation
# sequence with which to compare text values apply when evaluating
# expressions in a GROUP BY clause.
#
do_select_tests e_select-4.11 {
  1 "SELECT count(*) FROM b3 GROUP BY b" 
    {1 1 1 1}
  2 "SELECT count(*) FROM b3 GROUP BY a" 
    {2 2}
  3 "SELECT count(*) FROM b3 GROUP BY +b" 
    {1 1 1 1}
  4 "SELECT count(*) FROM b3 GROUP BY +a" 
    {2 2}
  5 "SELECT count(*) FROM b3 GROUP BY b||" 
    {1 1 1 1}
  6 "SELECT count(*) FROM b3 GROUP BY a||" 
    {1 1 1 1}
}

# EVIDENCE-OF: R-63573-50730 The expressions in a GROUP BY clause may
# not be aggregate expressions.
#
foreach [tn select] {
  12.1 "SELECT * FROM b3 GROUP BY count(*)"
  12.2 "SELECT max(a) FROM b3 GROUP BY max(b)"
  12.3 "SELECT group_concat(a) FROM b3 GROUP BY a, max(b)"
} {
  set res {1 {aggregate functions are not allowed in the GROUP BY clause}}
do_catchsql_test e_select-4.$tn $select $res
}

# EVIDENCE-OF: R-31537-00101 If a HAVING clause is specified, it is
# evaluated once for each group of rows as a boolean expression. If the
# result of evaluating the HAVING clause is false, the group is
# discarded.
#
# This requirement is tested by all e_select-4.13.* tests.
#
# EVIDENCE-OF: R-04132-09474 If the HAVING clause is an aggregate
# expression, it is evaluated across all rows in the group.
#
# Tested by e_select-4.13.1.*
#
# EVIDENCE-OF: R-28262-47447 If a HAVING clause is a non-aggregate
# expression, it is evaluated with respect to an arbitrarily selected
# row from the group.
#
# Tested by e_select-4.13.2.*
#
# Tests in this block also show that this is not untrue:
#
# EVIDENCE-OF: R-55403-13450 The HAVING expression may refer to values,
# even aggregate functions, that are not in the result.
#
# do_execsql_test e_select-4.13.0 {
CREATE TABLE c1(up, down);
 INSERT INTO c1 VALUES('x', 1);
 INSERT INTO c1 VALUES('x', 2);
 INSERT INTO c1 VALUES('x', 4);
 INSERT INTO c1 VALUES('x', 8);
 INSERT INTO c1 VALUES('y', 16);
 INSERT INTO c1 VALUES('y', 32);

CREATE TABLE c2(i, j);
 INSERT INTO c2 VALUES(1, 0);
 INSERT INTO c2 VALUES(2, 1);
 INSERT INTO c2 VALUES(3, 3);
 INSERT INTO c2 VALUES(4, 6);
 INSERT INTO c2 VALUES(5, 10);
 INSERT INTO c2 VALUES(6, 15);
 INSERT INTO c2 VALUES(7, 21);
 INSERT INTO c2 VALUES(8, 28);
 INSERT INTO c2 VALUES(9, 36);

CREATE TABLE c3(i PRIMARY KEY, k TEXT);
 INSERT INTO c3 VALUES(1, 'hydrogen');
 INSERT INTO c3 VALUES(2, 'helium');
 INSERT INTO c3 VALUES(3, 'lithium');
 INSERT INTO c3 VALUES(4, 'beryllium');
 INSERT INTO c3 VALUES(5, 'boron');
 INSERT INTO c3 VALUES(94, 'plutonium');
do_select_tests e_select-4.13 {
  1.1 "SELECT up FROM c1 GROUP BY up HAVING count(*)>3" {x}
  1.2 "SELECT up FROM c1 GROUP BY up HAVING sum(down)>16" {y}
  1.3 "SELECT up FROM c1 GROUP BY up HAVING sum(down)<16" {x}
  1.4 "SELECT up||down FROM c1 GROUP BY (down<5) HAVING max(down)<10" {y} 

  2.1 "SELECT up FROM c1 GROUP BY up HAVING down>10" {y}
  2.2 "SELECT up FROM c1 GROUP BY up HAVING up='y'" {y}
  2.3 "SELECT i, j FROM c2 GROUP BY i>4 HAVING i>6" {y} 
}

# EVIDENCE-OF: R-23927-54081 Each expression in the result-set is then
# evaluated once for each group of rows.
#
# EVIDENCE-OF: R-53735-47017 If the expression is an aggregate
# expression, it is evaluated across all rows in the group.
#
do_select_tests e_select-4.15 {
  1 "SELECT sum(down) FROM c1 GROUP BY up" {x} 
  2 "SELECT sum(j), max(j) FROM c2 GROUP BY (i%3)" {y} 
  3 "SELECT sum(j), max(j) FROM c2 GROUP BY (j%2)" {z} 
  4 "SELECT 1+sum(j), max(j)+1 FROM c2 GROUP BY (j%2)" {y} 
  5 "SELECT count(*), round(avg(i),2) FROM c1, c2 ON (i=down) GROUP BY j%2" {y} 
}

# EVIDENCE-OF: R-62913-19830 Otherwise, it is evaluated against a single
# arbitrarily chosen row from within the group.
#
# EVIDENCE-OF: R-53924-08809 If there is more than one non-aggregate
# expression in the result-set, then all such expressions are evaluated
# for the same row.
#
# do_select_tests e_select-4.15 {
  1 "SELECT i, j FROM c2 GROUP BY i%2" {y} 
  2 "SELECT i, j FROM c2 GROUP BY i%2 HAVING j<30" {y} 
  3 "SELECT i, j FROM c2 GROUP BY i%2 HAVING j>30" {y} 
  4 "SELECT i, j FROM c2 GROUP BY i%2 HAVING j>30" {y} 
      "SELECT count(*), i, k FROM c2 NATURAL JOIN c3 GROUP BY substr(k, 1, 1)" {y} 
      [2 5 boron  2 2 helium  1 3 lithium] 
}

# EVIDENCE-OF: R-19334-12811 Each group of input dataset rows
# contributes a single row to the set of result rows.
#
# EVIDENCE-OF: R-02223-49279 Subject to filtering associated with the
# DISTINCT keyword, the number of rows returned by an aggregate query
# with a GROUP BY clause is the same as the number of groups of rows
# produced by applying the GROUP BY and HAVING clauses to the filtered
# input dataset.

do_select_tests e_select.4.16 -count {
  1  "SELECT i, j FROM c2 GROUP BY i%2"          2
  2  "SELECT i, j FROM c2 GROUP BY i"            9
  3  "SELECT i, j FROM c2 GROUP BY i HAVING i<5"  4
}

# The following tests attempt to verify statements made regarding the ALL
# and DISTINCT keywords.

drop_all_tables
do_execsql_test e_select-5.1.0 {
  CREATE TABLE h1(a, b);
  INSERT INTO h1 VALUES(1, 'one');
  INSERT INTO h1 VALUES(1, 'I');
  INSERT INTO h1 VALUES(1, 'i');
  INSERT INTO h1 VALUES(4, 'four');
  INSERT INTO h1 VALUES(4, 'IV');
  INSERT INTO h1 VALUES(4, 'iv');

  CREATE TABLE h2(x COLLATE nocase);
  INSERT INTO h2 VALUES('One');
  INSERT INTO h2 VALUES('Two');
  INSERT INTO h2 VALUES('Three');
  INSERT INTO h2 VALUES('Four');
  INSERT INTO h2 VALUES('one');
  INSERT INTO h2 VALUES('two');
  INSERT INTO h2 VALUES('three');
  INSERT INTO h2 VALUES('four');

  CREATE TABLE h3(c, d);
  INSERT INTO h3 VALUES(1, NULL);
  INSERT INTO h3 VALUES(2, NULL);
  INSERT INTO h3 VALUES(3, NULL);
  INSERT INTO h3 VALUES(4, '2');
  INSERT INTO h3 VALUES(5, NULL);
  INSERT INTO h3 VALUES(6, '2,3');
  INSERT INTO h3 VALUES(7, NULL);
  INSERT INTO h3 VALUES(8, '2,4');
  INSERT INTO h3 VALUES(9, '3');
} 
One of the ALL or DISTINCT keywords may follow the SELECT keyword in a simple SELECT statement.

do_select_tests e_select-5.1 {
  1 "SELECT ALL a FROM h1" {1 1 4 4 4}
  2 "SELECT DISTINCT a FROM h1" {1 4}
}

If the simple SELECT is a SELECT ALL, then the entire set of result rows are returned by the SELECT.

If neither ALL or DISTINCT are present, then the behavior is as if ALL were specified.

If the simple SELECT is a SELECT DISTINCT, then duplicate rows are removed from the set of result rows before it is returned.

The three testable statements above are tested by e_select-5.2.*, 5.3.* and 5.4.* respectively.

do_select_tests e_select-5 {
  3.1 "SELECT ALL x FROM h2" {One Two Three Four one two three four}
  3.2 "SELECT ALL x FROM h1, h2 ON (x=b)" {One one Four four}

  4.1 "SELECT DISTINCT x FROM h2" {One Two Three Four}
  4.2 "SELECT DISTINCT x FROM h1, h2 ON (x=b)" {One Four}
}

For the purposes of detecting duplicate rows, two NULL values are considered to be equal.

do_select_tests e_select-5.5 {
  1 "SELECT DISTINCT d FROM h3" { {} 2,3,2,4 3}
}

The normal rules for selecting a collation sequence to compare text values with apply.

do_select_tests e_select-5.6 {
  1 "SELECT DISTINCT b FROM h1" {one I i four IV iv}
  2 "SELECT DISTINCT b COLLATE nocase FROM h1" {one I i four IV}
  3 "SELECT DISTINCT x FROM h2" {One Two Three Four}
  4 "SELECT DISTINCT x COLLATE binary FROM h2" {One Two Three Four one two three four}
# The following tests - e_select-7.* - test that statements made to do
# with compound SELECT statements are correct.
#
#
# EVIDENCE-OF: R-39368-64333 In a compound SELECT, all the constituent
# SELECTs must return the same number of result columns.
#
# All the other tests in this section use compound SELECTs created
# using component SELECTs that do return the same number of columns.
# So the tests here just show that it is an error to attempt otherwise.
#
drop_all_tables
do_execsql_test e_select-7.1.0 {
  CREATE TABLE j1(a, b, c);
  CREATE TABLE j2(e, f);
  CREATE TABLE j3(g);
} {}
do_select_tests e_select-7.1 -error {
  SELECTs to the left and right of %s do not have the same number of result columns
} {
  1  "SELECT a, b FROM j1   UNION ALL SELECT g FROM j3"   {{UNION ALL}}
  2  "SELECT *   FROM j1   UNION ALL SELECT * FROM j3"   {{UNION ALL}}
  3  "SELECT a, b FROM j1   UNION ALL SELECT g FROM j3"   {{UNION ALL}}
  4  "SELECT a, b FROM j1   UNION ALL SELECT * FROM j3,j2" {{UNION ALL}}
  5  "SELECT *   FROM j3,j2 UNION ALL SELECT a, b FROM j1" {{UNION ALL}}
  6  "SELECT a, b FROM j1   UNION SELECT g FROM j3"        {UNION}
  7  "SELECT *   FROM j1   UNION SELECT * FROM j3"        {UNION}
  8  "SELECT a, b FROM j1   UNION SELECT g FROM j3"        {UNION}
  9  "SELECT a, b FROM j1   UNION SELECT * FROM j3,j2"     {UNION}
 10  "SELECT *   FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 11  "SELECT a, b FROM j1   INTERSECT SELECT g FROM j3"    {INTERSECT}
 12  "SELECT *   FROM j1   INTERSECT SELECT * FROM j3"    {INTERSECT}
 13  "SELECT a, b FROM j1   INTERSECT SELECT g FROM j3"    {INTERSECT}
 14  "SELECT a, b FROM j1   INTERSECT SELECT * FROM j3,j2" {INTERSECT}
 15  "SELECT *   FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 16  "SELECT a, b FROM j1   EXCEPT SELECT g FROM j3"       {EXCEPT}
 17  "SELECT *   FROM j1   EXCEPT SELECT * FROM j3"       {EXCEPT}
 18  "SELECT a, b FROM j1   EXCEPT SELECT g FROM j3"       {EXCEPT}
 19  "SELECT a, b FROM j1   EXCEPT SELECT * FROM j3,j2"    {EXCEPT}
 20  "SELECT *   FROM j3,j2 EXCEPT SELECT a, b FROM j1"    {EXCEPT}
}
As the components of a compound SELECT must be simple SELECT statements, they may not contain ORDER BY or LIMIT clauses.

```
foreach {tn select op1 op2} {
    "SELECT * FROM j1 ORDER BY a UNION ALL SELECT * FROM j2,j3"
    {ORDER BY} {UNION ALL}
    "SELECT count(*) FROM j1 ORDER BY 1 UNION ALL SELECT max(e) FROM j2"
    {ORDER BY} {UNION ALL}
    "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION ALL SELECT *,* FROM j2"
    {ORDER BY} {UNION ALL}
    "SELECT * FROM j1 LIMIT 10 UNION ALL SELECT * FROM j2,j3"
    LIMIT {UNION ALL}
    "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION ALL SELECT * FROM j2,j3"
    LIMIT {UNION ALL}
    "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION ALL SELECT g FROM j2,j3"
    LIMIT {UNION ALL}
    "SELECT * FROM j1 ORDER BY a UNION SELECT * FROM j2,j3"
    {ORDER BY} {UNION}
    "SELECT count(*) FROM j1 ORDER BY 1 UNION SELECT max(e) FROM j2"
    {ORDER BY} {UNION}
    "SELECT count(*), * FROM j1 ORDER BY 1,2,3 UNION SELECT *,* FROM j2"
    {ORDER BY} {UNION}
    "SELECT * FROM j1 LIMIT 10 UNION SELECT * FROM j2,j3"
    LIMIT {UNION}
    "SELECT * FROM j1 LIMIT 10 OFFSET 5 UNION SELECT * FROM j2,j3"
    LIMIT {UNION}
    "SELECT a FROM j1 LIMIT (SELECT e FROM j2) UNION SELECT g FROM j2,j3"
    LIMIT {UNION}
    "SELECT * FROM j1 ORDER BY a EXCEPT SELECT * FROM j2,j3"
    {ORDER BY} {EXCEPT}
    "SELECT count(*) FROM j1 ORDER BY 1 EXCEPT SELECT max(e) FROM j2"
    {ORDER BY} {EXCEPT}
    "SELECT count(*), * FROM j1 ORDER BY 1,2,3 EXCEPT SELECT *,* FROM j2"
    {ORDER BY} {EXCEPT}
    "SELECT * FROM j1 LIMIT 10 EXCEPT SELECT * FROM j2,j3"
    LIMIT {EXCEPT}
    "SELECT * FROM j1 LIMIT 10 OFFSET 5 EXCEPT SELECT * FROM j2,j3"
    LIMIT {EXCEPT}
    "SELECT a FROM j1 LIMIT (SELECT e FROM j2) EXCEPT SELECT g FROM j2,j3"
    LIMIT {EXCEPT}
    "SELECT * FROM j1 ORDER BY a INTERSECT SELECT * FROM j2,j3"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
    "SELECT count(*) FROM j1 ORDER BY 1 INTERSECT SELECT max(e) FROM j2"
    {ORDER BY} {INTERSECT}
```

ORDER BY} {INTERSECT}
21 "SELECT count(*), * FROM j1 ORDER BY 1,2,3 INTERSECT SELECT *,* FROM j2
   ORDER BY} {INTERSECT}
22 "SELECT * FROM j1 LIMIT 10 INTERSECT SELECT * FROM j2,j3
      LIMIT {INTERSECT}
23 "SELECT * FROM j1 LIMIT 10 OFFSET 5 INTERSECT SELECT * FROM j2,j3
      LIMIT {INTERSECT}
24 "SELECT a FROM j1 LIMIT (SELECT e FROM j2) INTERSECT SELECT g FROM j2,j3
      LIMIT {INTERSECT}
} {
set err "$op1 clause should come after $op2 not before"
do_catchsql_test e_select-7.2.$tn $select [list 1 $err]
}

# EVIDENCE-OF: R-22874-32655 ORDER BY and LIMIT clauses may only occur
# at the end of the entire compound SELECT.
#
foreach {tn select} {
  1 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 ORDER BY a"
  2 "SELECT count(*) FROM j1 UNION ALL SELECT max(e) FROM j2 ORDER BY 1"
  3 "SELECT count(*), * FROM j1 UNION ALL SELECT *,* FROM j2 ORDER BY 1,2,3"
  4 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10"
  5 "SELECT * FROM j1 UNION ALL SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
  6 "SELECT a FROM j1 UNION ALL SELECT g FROM j2,j3 LIMIT (SELECT 10)"
  7 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 ORDER BY a"
  8 "SELECT count(*) FROM j1 UNION SELECT max(e) FROM j2 ORDER BY 1"
  9 "SELECT count(*), * FROM j1 UNION SELECT *,* FROM j2 ORDER BY 1,2,3"
 10 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 LIMIT 10"
 11 "SELECT * FROM j1 UNION SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
 12 "SELECT a FROM j1 UNION SELECT g FROM j2,j3 LIMIT (SELECT 10)"
 13 "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 ORDER BY a"
 14 "SELECT count(*) FROM j1 EXCEPT SELECT max(e) FROM j2 ORDER BY 1"
 15 "SELECT count(*), * FROM j1 EXCEPT SELECT *,* FROM j2 ORDER BY 1,2,3"
 16 "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 LIMIT 10"
 17 "SELECT * FROM j1 EXCEPT SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
 18 "SELECT a FROM j1 EXCEPT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
 19 "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 ORDER BY a"
 20 "SELECT count(*) FROM j1 INTERSECT SELECT max(e) FROM j2 ORDER BY 1"
 21 "SELECT count(*), * FROM j1 INTERSECT SELECT *,* FROM j2 ORDER BY 1,2,3"
 22 "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10"
 23 "SELECT * FROM j1 INTERSECT SELECT * FROM j2,j3 LIMIT 10 OFFSET 5"
 24 "SELECT a FROM j1 INTERSECT SELECT g FROM j2,j3 LIMIT (SELECT 10)"
} {
do_test e_select-7.3.$tn [catch {execsql $select} msg] 0
}
A compound SELECT created using UNION ALL operator returns all the rows from the SELECT to the left of the UNION ALL operator, and all the rows from the SELECT to the right of it.

drop_all_tables
do_execsql_test e_select-7.4.0 {
  CREATE TABLE q1(a TEXT, b INTEGER, c);
  CREATE TABLE q2(d NUMBER, e BLOB);
  CREATE TABLE q3(f REAL, g);

  INSERT INTO q1 VALUES(16, -87.66, NULL);
  INSERT INTO q1 VALUES('legible', 94, -42.47);
  INSERT INTO q1 VALUES('beauty', 36, NULL);

  INSERT INTO q2 VALUES('legible', 1);
  INSERT INTO q2 VALUES('beauty', 2);
  INSERT INTO q2 VALUES(-65.91, 4);
  INSERT INTO q2 VALUES('emanating', -16.56);

  INSERT INTO q3 VALUES('beauty', 2);
  INSERT INTO q3 VALUES('beauty', 2);
}
}
do_select_tests e_select-7.4 {
1  {SELECT a FROM q1 UNION ALL SELECT d FROM q2}
   {16 legible beauty legible beauty -65.91 emanating}

2  {SELECT * FROM q1 WHERE a=16 UNION ALL SELECT 'x', * FROM q2 WHERE oid=1}
   {16 -87.66 {} x legible 1}

3  {SELECT count(*) FROM q1 UNION ALL SELECT min(e) FROM q2}
   {3 -16.56}

4  {SELECT * FROM q2 UNION ALL SELECT * FROM q3}
   {legible 1 beauty 2 -65.91 4 emanating -16.56 beauty 2 beauty 2}
}

The UNION operator works the same way as UNION ALL, except that duplicate rows are removed from the final result set.

do_select_tests e_select-7.5 {
1  {SELECT a FROM q1 UNION SELECT d FROM q2}
   {-65.91 16 beauty emanating legible}

2  {SELECT * FROM q1 WHERE a=16 UNION SELECT 'x', * FROM q2 WHERE oid=1}
   {16 -87.66 {} x legible 1}
3 \{SELECT \text{count(\*) FROM q1 UNION SELECT min(e) FROM q2}\}
\{-16.56 \ 3\}

4 \{SELECT * FROM q2 UNION SELECT * FROM q3\}
\{-65.91 \ 4 \text{beauty 2 emanating -16.56 legible 1}\}
\}

# EVIDENCE-OF: R-45764-31737 The \textbf{INTERSECT} operator returns the
# intersection of the results of the left and right SELECTs.
#
do_select_tests e_select-7.6 {
1 \{SELECT a FROM q1 \text{INTERSECT SELECT d FROM q2}\} \{\text{beauty legible}\}
2 \{SELECT * FROM q2 \text{INTERSECT SELECT * FROM q3}\} \{\text{beauty 2}\}
}

# EVIDENCE-OF: R-25787-28949 The \textbf{EXCEPT} operator returns the subset of
# rows returned by the left SELECT that are not also returned by the
# right-hand SELECT.
#
do_select_tests e_select-7.7 {
1 \{SELECT a FROM q1 \text{EXCEPT SELECT d FROM q2}\} \{16\}
2 \{SELECT * FROM q2 \text{EXCEPT SELECT * FROM q3}\}
\{-65.91 \ 4 \text{emanating -16.56 legible 1}\}
}

# EVIDENCE-OF: R-40729-56447 Duplicate rows are removed from the results
# of \textbf{INTERSECT} and \textbf{EXCEPT} operators before the result set is returned.
#
do_select_tests e_select-7.8 {
0 \{SELECT * FROM q3\} \{\text{beauty 2 beauty 2}\}
1 \{SELECT * FROM q3 \text{INTERSECT SELECT * FROM q3}\} \{\text{beauty 2}\}
2 \{SELECT * FROM q3 \text{EXCEPT SELECT a,b FROM q1}\} \{\text{beauty 2}\}
}

# EVIDENCE-OF: R-46765-43362 For the purposes of determining duplicate
# rows for the results of compound SELECT operators, NULL values are
# considered equal to other NULL values and distinct from all non-NULL
# values.
#
db nullvalue null

do_select_tests e_select-7.9 {
1 \{SELECT NULL UNION ALL SELECT NULL\} \{null null\}
2 \{SELECT NULL UNION SELECT NULL\} \{null\}
3 \{SELECT NULL INTERSECT SELECT NULL\} \{null\}
4 \{SELECT NULL EXCEPT SELECT NULL\} \{\}

5 {SELECT NULL UNION ALL SELECT 'ab'} {null ab}
6 {SELECT NULL UNION SELECT 'ab'} {null ab}
7 {SELECT NULL INTERSECT SELECT 'ab'} {}
8 {SELECT NULL EXCEPT SELECT 'ab'} {null}

9 {SELECT NULL UNION ALL SELECT 0} {null 0}
10 {SELECT NULL UNION SELECT 0} {null 0}
11 {SELECT NULL INTERSECT SELECT 0} {}
12 {SELECT NULL EXCEPT SELECT 0} {null}
13 {SELECT c FROM q1 UNION ALL SELECT g FROM q3} {null -42.47 null 2 2}
14 {SELECT c FROM q1 UNION SELECT g FROM q3} {null -42.47 2}
15 {SELECT c FROM q1 INTERSECT SELECT g FROM q3} {}
16 {SELECT c FROM q1 EXCEPT SELECT g FROM q3} {null -42.47}
}
db nullvalue {}

# EVIDENCE-OF: R-51232-50224 The collation sequence used to compare two
# text values is determined as if the columns of the left and right-hand
# SELECT statements were the left and right-hand operands of the equals
# (=) operator, except that greater precedence is not assigned to a
# collation sequence specified with the postfix COLLATE operator.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
  CREATE TABLE y1(a COLLATE nocase, b COLLATE binary, c);
  INSERT INTO y1 VALUES('Abc', 'abc', 'aBC');
} {}
do_select_tests e_select-7.10 {
  1 {SELECT 'abc' UNION SELECT 'ABC'} {ABC abc}
  2 {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC'} {ABC}
  3 {SELECT 'abc' UNION SELECT 'ABC' COLLATE nocase} {ABC}
  4 {SELECT 'abc' COLLATE binary UNION SELECT 'ABC' COLLATE nocase} {ABC abc}
  5 {SELECT 'abc' COLLATE nocase UNION SELECT 'ABC' COLLATE binary} {ABC}
  6 {SELECT a FROM y1 UNION SELECT b FROM y1} {abc}
  7 {SELECT b FROM y1 UNION SELECT a FROM y1} {Abc abc}
  8 {SELECT a FROM y1 UNION SELECT c FROM y1} {aBC}
  9 {SELECT a FROM y1 UNION SELECT c COLLATE binary FROM y1} {aBC}
}

# EVIDENCE-OF: R-32706-07403 No affinity transformations are applied to
# any values when comparing rows as part of a compound SELECT.
#
drop_all_tables
do_execsql_test e_select-7.10.0 {
  CREATE TABLE w1(a TEXT, b NUMBER);
CREATE TABLE w2(a, b TEXT);

INSERT INTO w1 VALUES('1', 4.1);
INSERT INTO w2 VALUES(1, 4.1);
}

do_select_tests e_select-7.11 {
  1  { SELECT a FROM w1 UNION SELECT a FROM w2 } {1 1}
  2  { SELECT a FROM w2 UNION SELECT a FROM w1 } {1 1}
  3  { SELECT b FROM w1 UNION SELECT b FROM w2 } {4.1 4.1}
  4  { SELECT b FROM w2 UNION SELECT b FROM w1 } {4.1 4.1}
  5  { SELECT a FROM w1 INTERSECT SELECT a FROM w2 } {}
  6  { SELECT a FROM w2 INTERSECT SELECT a FROM w1 } {}
  7  { SELECT b FROM w1 INTERSECT SELECT b FROM w2 } {}
  8  { SELECT b FROM w2 INTERSECT SELECT b FROM w1 } {}
  9  { SELECT a FROM w1 EXCEPT SELECT a FROM w2 } {1}
 10  { SELECT a FROM w2 EXCEPT SELECT a FROM w1 } {1}
 11  { SELECT b FROM w1 EXCEPT SELECT b FROM w2 } {4.1}
 12  { SELECT b FROM w2 EXCEPT SELECT b FROM w1 } {4.1}
}

# EVIDENCE-OF: R-32562-20566 When three or more simple SELECTs are # connected into a compound SELECT, they group from left to right. In # other words, if "A", "B" and "C" are all simple SELECT statements, (A # op B op C) is processed as ((A op B) op C).
#
# e_select-7.12.1: Precedence of UNION vs. INTERSECT
# e_select-7.12.2: Precedence of UNION vs. UNION ALL
# e_select-7.12.3: Precedence of UNION vs. EXCEPT
# e_select-7.12.4: Precedence of INTERSECT vs. UNION ALL
# e_select-7.12.5: Precedence of INTERSECT vs. EXCEPT
# e_select-7.12.6: Precedence of UNION ALL vs. EXCEPT
# e_select-7.12.7: Check that "a EXCEPT b EXCEPT c" is processed as #
#     "(a EXCEPT b) EXCEPT c".
#
# The INTERSECT and EXCEPT operations are mutually commutative. So # the e_select-7.12.5 test cases do not prove very much.
#
drop_all_tables
do_execsql_test e_select-7.12.0 {
  CREATE TABLE t1(x);
  INSERT INTO t1 VALUES(1);
  INSERT INTO t1 VALUES(2);
  INSERT INTO t1 VALUES(3);
}

---

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foreach {tn select res} {
1a "(1,2) INTERSECT (1) UNION (3)" {1 3}
1b "(3) UNION (1,2) INTERSECT (1)" {1}

2a "(1,2) UNION (3) UNION ALL (1)" {1 2 3 1}
2b "(1) UNION ALL (3) UNION (1,2)" {1 2 3}

3a "(1,2) UNION (3) EXCEPT (1)" {2 3}
3b "(1,2) EXCEPT (3) UNION (1)" {1 2}

4a "(1,2) INTERSECT (1) UNION ALL (3)" {1 3}
4b "(3) UNION (1,2) INTERSECT (1)" {1}

5a "(1,2) INTERSECT (2) EXCEPT (2)" {}
5b "(2,3) EXCEPT (2) INTERSECT (2)" {}

6a "(2) UNION ALL (2) EXCEPT (2)" {}
6b "(2) EXCEPT (2) UNION ALL (2)" {2}

7 "(2,3) EXCEPT (2) EXCEPT (3)" {}
} {
set select [string map {{ {SELECT x FROM t1 WHERE x IN ($select)} $select} $res}
do_execsql_test e_select-7.12.$tn $select [list {*}$res]
}

#---------------------------------------------------------------
# ORDER BY clauses
#

drop_all_tables
do_execsql_test e_select-8.1.0 {
    CREATE TABLE d1(x, y, z);

    INSERT INTO d1 VALUES(1, 2, 3);
    INSERT INTO d1 VALUES(2, 5, -1);
    INSERT INTO d1 VALUES(1, 2, 8);
    INSERT INTO d1 VALUES(1, 2, 7);
    INSERT INTO d1 VALUES(2, 4, 93);
    INSERT INTO d1 VALUES(1, 2, -20);
    INSERT INTO d1 VALUES(1, 4, 93);
    INSERT INTO d1 VALUES(1, 5, -1);

    CREATE TABLE d2(a, b);
    INSERT INTO d2 VALUES('gently', 'failings');
    INSERT INTO d2 VALUES('commercials', 'bathrobe');
    INSERT INTO d2 VALUES('iterate', 'sexton');
    INSERT INTO d2 VALUES('babied', 'charitableness');
INSERT INTO d2 VALUES('solemnness', 'annexed');
INSERT INTO d2 VALUES('rejoicing', 'liabilities');
INSERT INTO d2 VALUES('pragmatist', 'guarded');
INSERT INTO d2 VALUES('barked', 'interrupted');
INSERT INTO d2 VALUES('reemphasizes', 'reply');
INSERT INTO d2 VALUES('lad', 'relenting');

# EVIDENCE-OF: R-44988-41064 Rows are first sorted based on the results
# of evaluating the left-most expression in the ORDER BY list, then ties
# are broken by evaluating the second left-most expression and so on.
#
# do_select_tests e_select-8.1 {
    1  "SELECT * FROM d1 ORDER BY x, y, z" {
        1 2 -20    1 2 3    1 2 7    1 2 8
        1 4 93    1 5 -1   2 4 93   2 5 -1
    } }

# EVIDENCE-OF: R-06617-54588 Each ORDER BY expression may be optionally
# followed by one of the keywords ASC (smaller values are returned
# first) or DESC (larger values are returned first).
#
# Test cases e_select-8.2.* test the above.
#
# EVIDENCE-OF: R-18705-33393 If neither ASC or DESC are specified, rows
# are sorted in ascending (smaller values first) order by default.
#
# Test cases e_select-8.3.* test the above. All 8.3 test cases are
# copies of 8.2 test cases with the explicit "ASC" removed.
#
# do_select_tests e_select-8 {
    2.1  "SELECT * FROM d1 ORDER BY x ASC, y ASC, z ASC" {
        1 2 -20    1 2 3    1 2 7    1 2 8
        1 4 93    1 5 -1   2 4 93   2 5 -1
    } }
    2.2  "SELECT * FROM d1 ORDER BY x DESC, y DESC, z DESC" {
        2 5 -1     2 4 93   1 5 -1   1 4 93
        1 2 8      1 2 7    1 2 3    1 2 -20
    } }
    2.3  "SELECT * FROM d1 ORDER BY x DESC, y ASC, z DESC" {
        2 4 93   2 5 -1     1 2 -20    1 2 7
        1 2 3    1 2 -20    1 4 93   1 5 -1
    }
    2.4  "SELECT * FROM d1 ORDER BY x DESC, y ASC, z ASC" {
        2 4 93   2 5 -1     1 2 -20    1 2 3
        1 2 7    1 2 8    1 4 93   1 5 -1
    } }

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3.1 "SELECT * FROM d1 ORDER BY x, y, z" {
  1 2 -20 1 2 3 1 2 7 1 2 8
  1 4 93 1 5 -1 2 4 93 2 5 -1
}
3.3 "SELECT * FROM d1 ORDER BY x DESC, y, z DESC" {
  2 4 93 2 5 -1 1 2 8 1 2 7
  1 2 3 1 2 -20 1 4 93 1 5 -1
}
3.4 "SELECT * FROM d1 ORDER BY x DESC, y, z" {
  2 4 93 2 5 -1 1 2 8 1 2 7
  1 2 3 1 2 -20 1 4 93 1 5 -1
}

# EVIDENCE-OF: R-29779-04281 If the ORDER BY expression is a constant
# integer K then the expression is considered an alias for the K-th
# column of the result set (columns are numbered from left to right
# starting with 1).
#
do_select_tests e_select-8.4 {
  1 "SELECT * FROM d1 ORDER BY 1 ASC, 2 ASC, 3 ASC" {
    1 2 -20 1 2 3 1 2 7 1 2 8
    1 4 93 1 5 -1 2 4 93 2 5 -1
  }
  2 "SELECT * FROM d1 ORDER BY 1 DESC, 2 DESC, 3 DESC" {
    2 5 -1 2 4 93 1 5 -1 1 4 93
    1 2 8 1 2 7 1 2 3 1 2 -20
  }
  3 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 DESC" {
    2 4 93 2 5 -1 1 2 8 1 2 7
    1 2 3 1 2 -20 1 4 93 1 5 -1
  }
  4 "SELECT * FROM d1 ORDER BY 1 DESC, 2 ASC, 3 ASC" {
    2 4 93 2 5 -1 1 2 -20 1 2 3
    1 2 7 1 2 8 1 4 93 1 5 -1
  }
  5 "SELECT * FROM d1 ORDER BY 1, 2, 3" {
    1 2 -20 1 2 3 1 2 7 1 2 8
    1 4 93 1 5 -1 2 4 93 2 5 -1
  }
  6 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3 DESC" {
    2 4 93 2 5 -1 1 2 8 1 2 7
    1 2 3 1 2 -20 1 4 93 1 5 -1
  }
  7 "SELECT * FROM d1 ORDER BY 1 DESC, 2, 3" {
    2 4 93 2 5 -1 1 2 -20 1 2 3
    1 2 7 1 2 8 1 4 93 1 5 -1
8 "SELECT z, x FROM d1 ORDER BY 2" {
    # 1    # 1    # 1    # 1    # 1    # 1    # 2    # 2/
}
9 "SELECT z, x FROM d1 ORDER BY 1" {
    /-20 1  -1 #   -1 #   3 1    7 1 8 1  93 #   93 #/
}

# EVIDENCE-OF: R-63286-51977 If the ORDER BY expression is an identifier
# that corresponds to the alias of one of the output columns, then the
# expression is considered an alias for that column.
#
do_select_tests e_select-8.5 {
  1 "SELECT z+1 AS abc FROM d1 ORDER BY abc" {
      -19 0 0 4 8 9 94 94
  }
  2 "SELECT z+1 AS abc FROM d1 ORDER BY abc DESC" {
      94 94 9 8 4 0 0 -19
  }
  3 "SELECT z AS x, x AS z FROM d1 ORDER BY z" {
      # 1    # 1    # 1    # 1    # 1    # 1    # 2    # 2/
  }
  4 "SELECT z AS x, x AS z FROM d1 ORDER BY x" {
      /-20 1    -1 #    -1 #    3 1    7 1 8 1  93 #   93 #/
  }
}

# EVIDENCE-OF: R-65068-27207 Otherwise, if the ORDER BY expression is
# any other expression, it is evaluated and the returned value used to
# order the output rows.
#
# EVIDENCE-OF: R-03421-57988 If the SELECT statement is a simple SELECT,
# then an ORDER BY may contain any arbitrary expressions.
#
do_select_tests e_select-8.6 {
  1 "SELECT * FROM d1 ORDER BY x+y+z" {
      1 2 -20 1 5 -1 1 2 3 2 5 -1
      1 2 7 1 2 8 1 4 93 2 4 93
  }
  2 "SELECT * FROM d1 ORDER BY x*z" {
      1 2 -20 2 5 -1 1 5 -1 1 2 3
      1 2 7 1 2 8 1 4 93 2 4 93
  }
  3 "SELECT * FROM d1 ORDER BY y*z" {
      1 2 -20 2 5 -1 1 5 -1 1 2 3
}

---

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However, if the SELECT is a compound SELECT, then ORDER BY expressions that are not aliases to output columns must be exactly the same as an expression used as an output column.

```
do_select_tests e_select-8.7.1 -error {
  %s ORDER BY term does not match any column in the result set
} {
1  "SELECT x FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z"  1st
2  "SELECT x,z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" 2nd
}
do_select_tests e_select-8.7.2 {
1  "SELECT x*z FROM d1 UNION ALL SELECT a FROM d2 ORDER BY x*z" {
   -20 -2 -1 3 7 8 93 186 babied barked commercials gently iterate lad pragmatist reemphasizes rejoicing solemnness
}
2  "SELECT x, x/z FROM d1 UNION ALL SELECT a,b FROM d2 ORDER BY x, x/z" {
   1 -1 1 0 1 0 1 0 1 0 1 0 2 -2 2 0 babied charitableness barked interrupted commercials bathrobe gently failings iterate sexton lad relenting pragmatist guarded reemphasizes reply rejoicing liabilities solemnness annexed
}
}
do_execsql_test e_select-8.8.0 {
CREATE TABLE d3(a);
INSERT INTO d3 VALUES('text');
INSERT INTO d3 VALUES(14.1);
INSERT INTO d3 VALUES(13);
INSERT INTO d3 VALUES(X'78787878');
INSERT INTO d3 VALUES(15);
INSERT INTO d3 VALUES(12.9);
INSERT INTO d3 VALUES(null);

CREATE TABLE d4(x COLLATE nocase);
INSERT INTO d4 VALUES('abc');
INSERT INTO d4 VALUES('ghi');
INSERT INTO d4 VALUES('DEF');
INSERT INTO d4 VALUES('JKL');
} {} 
```

For the purposes of sorting rows, values are compared in the same way as for comparison expressions.
# The following tests verify that values of different types are sorted correctly, and that mixed real and integer values are compared properly.
#
# do_execsql_test e_select-8.8.1 {
# SELECT a FROM d3 ORDER BY a
#} {
# 12.9 13 14.1 15 text xxxx
#}
# do_execsql_test e_select-8.8.2 {
# SELECT a FROM d3 ORDER BY a DESC
#} {xxxx text 15 14.1 13 12.9 }
#
# EVIDENCE-OF: R-64199-22471 If the ORDER BY expression is assigned a collation sequence using the postfix COLLATE operator, then the specified collation sequence is used.
#
# do_execsql_test e_select-8.9.1 {
# SELECT x FROM d4 ORDER BY 1 COLLATE binary
#} {DEF JKL abc ghi}
# do_execsql_test e_select-8.9.2 {
# SELECT x COLLATE binary FROM d4 ORDER BY 1 COLLATE nocase
#} {abc DEF ghi JKL}

# EVIDENCE-OF: R-09398-26102 Otherwise, if the ORDER BY expression is an alias to an expression that has been assigned a collation sequence, then the collation sequence assigned to the aliased expression is used.
#
# In the test 8.10.2, the only result-column expression has no alias. So the ORDER BY expression is not a reference to it and therefore does not inherit the collation sequence. In test 8.10.3, "x" is the alias (as well as the column name), so the ORDER BY expression is interpreted as an alias and the collation sequence attached to the result column is used for sorting.
#
# do_execsql_test e_select-8.10.1 {
# SELECT x COLLATE binary FROM d4 ORDER BY 1
#} {DEF JKL abc ghi}
# do_execsql_test e_select-8.10.2 {
# SELECT x COLLATE binary FROM d4 ORDER BY x
#} {abc DEF ghi JKL}
# do_execsql_test e_select-8.10.3 {
# SELECT x COLLATE binary AS x FROM d4 ORDER BY x
#} {DEF JKL abc ghi}

# EVIDENCE-OF: R-27301-09658 Otherwise, if the ORDER BY expression is a column or an alias of an expression that is a column, then the default collation sequence for the column is used.
#
do_execsql_test e_select-8.11.1 {
  SELECT x AS y FROM d4 ORDER BY y
} {abc DEF ghi JKL}
do_execsql_test e_select-8.11.2 {
  SELECT x||'' FROM d4 ORDER BY x
} {abc DEF ghi JKL}

# EVIDENCE-OF: R-49925-55905 Otherwise, the BINARY collation sequence is
# used.
#
do_execsql_test e_select-8.12.1 {
  SELECT x FROM d4 ORDER BY x||''
} {DEF JKL abc ghi}

# EVIDENCE-OF: R-44130-32593 If an ORDER BY expression is not an integer
# alias, then SQLite searches the left-most SELECT in the compound for a
# result column that matches either the second or third rules above. If
# a match is found, the search stops and the expression is handled as an
# alias for the result column that it has been matched against.
# Otherwise, the next SELECT to the right is tried, and so on.
#
do_execsql_test e_select-8.13.0 {
  CREATE TABLE d5(a, b);
  CREATE TABLE d6(c, d);
  CREATE TABLE d7(e, f);

  INSERT INTO d5 VALUES(1, 'f');
  INSERT INTO d6 VALUES(2, 'e');
  INSERT INTO d7 VALUES(3, 'd');
  INSERT INTO d5 VALUES(4, 'c');
  INSERT INTO d6 VALUES(5, 'b');
  INSERT INTO d7 VALUES(6, 'a');

  CREATE TABLE d8(x COLLATE nocase);
  CREATE TABLE d9(y COLLATE nocase);

  INSERT INTO d8 VALUES('a');
  INSERT INTO d9 VALUES('B');
  INSERT INTO d8 VALUES('c');
  INSERT INTO d9 VALUES('D');
  }
}
do_select_tests e_select-8.13 {
  1  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
       ORDER BY a
  } {1 2 3 4 5 6}
  2  { SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7
       ORDER BY c
  } {1 2 3 4 5 6}
3 \{ \text{SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7 ORDER BY e} \} \{1\ 2\ 3\ 4\ 5\ 6\}
4 \{ \text{SELECT a FROM d5 UNION ALL SELECT c FROM d6 UNION ALL SELECT e FROM d7 ORDER BY 1} \} \{1\ 2\ 3\ 4\ 5\ 6\}

5 \{ \text{SELECT a, b FROM d5 UNION SELECT b, a FROM d5 ORDER BY b} \}
\{f\ 1\ c\ 4\ 4\ c\ 1\ f\}
6 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 2} \}
\{f\ 1\ c\ 4\ 4\ c\ 1\ f\}

7 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY a} \}
\{1\ f\ 4\ c\ 4\ f\ 1\}
8 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 1} \}
\{1\ f\ 4\ c\ 4\ f\ 1\}

9 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1} \}
\{f\ 2\ c\ 5\ 4\ c\ 1\ f\}
10 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 2} \}
\{f\ 2\ c\ 5\ 4\ c\ 1\ f\}

11 \{ \text{SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1} \}
\{2\ f\ 5\ c\ 5\ f\ 2\}
12 \{ \text{SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 1} \}
\{2\ f\ 5\ c\ 5\ f\ 2\}

# EVIDENCE-OF: R-39265-04070 If no matching expression can be found in
# the result columns of any constituent SELECT, it is an error.
#
do_select_tests e_select-8.14 -error {
%\$ ORDER BY term does not match any column in the result set
}
1 \{ \text{SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a+1} \} 1st
2 \{ \text{SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a, a+1} \} 2nd
3 \{ \text{SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY 'hello'} \} 1st
4 \{ \text{SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY blah} \} 1st
5 \{ \text{SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY c,d,c+d} \} 3rd
6 \{ \text{SELECT * FROM d5 EXCEPT SELECT * FROM d7 ORDER BY 1,2,b,a/b} \} 4th

# EVIDENCE-OF: R-03407-11483 Each term of the ORDER BY clause is
# processed separately and may be matched against result columns from
# different SELECT statements in the compound.
#
do_select_tests e_select-8.15 {
1 \{ \text{SELECT a, b FROM d5 UNION ALL SELECT e-1, d FROM d6 ORDER BY a, d} \}
# Tests related to statements made about the LIMIT/OFFSET clause.
#
# do_execsql_test e_select-9.0 {
CREATE TABLE f1(a, b);
INSERT INTO f1 VALUES(26, 'z');
INSERT INTO f1 VALUES(25, 'y');
INSERT INTO f1 VALUES(24, 'x');
INSERT INTO f1 VALUES(23, 'w');
INSERT INTO f1 VALUES(22, 'v');
INSERT INTO f1 VALUES(21, 'u');
INSERT INTO f1 VALUES(20, 't');
INSERT INTO f1 VALUES(19, 's');
INSERT INTO f1 VALUES(18, 'r');
INSERT INTO f1 VALUES(17, 'q');
INSERT INTO f1 VALUES(16, 'p');
INSERT INTO f1 VALUES(15, 'o');
INSERT INTO f1 VALUES(14, 'n');
INSERT INTO f1 VALUES(13, 'm');
INSERT INTO f1 VALUES(12, 'l');
INSERT INTO f1 VALUES(11, 'k');
INSERT INTO f1 VALUES(10, 'j');
INSERT INTO f1 VALUES(9, 'i');
INSERT INTO f1 VALUES(8, 'h');
INSERT INTO f1 VALUES(7, 'g');
INSERT INTO f1 VALUES(6, 'f');
INSERT INTO f1 VALUES(5, 'e');
INSERT INTO f1 VALUES(4, 'd');
INSERT INTO f1 VALUES(3, 'c');
INSERT INTO f1 VALUES(2, 'b');
INSERT INTO f1 VALUES(1, 'a');
}
#
#
# EVIDENCE-OF: R-30481-56627 Any scalar expression may be used in the
# LIMIT clause, so long as it evaluates to an integer or a value that
# can be losslessly converted to an integer.
#
# do_select_tests e_select-9.1 {
  1 { SELECT b FROM f1 ORDER BY a LIMIT 5 } {a b c d e}
  2 { SELECT b FROM f1 ORDER BY a LIMIT 2+3 } {a b c d e}
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3  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b = 'e') } 
    {a b c d e}
4  { SELECT b FROM f1 ORDER BY a LIMIT 5.0 } {a b c d e}
5  { SELECT b FROM f1 ORDER BY a LIMIT '5' } {a b c d e}
}

# EVIDENCE-OF: R-46155-47219 If the expression evaluates to a NULL value
# or any other value that cannot be losslessly converted to an integer,
# an error is returned.
#

do_select_tests e_select-9.2 -error "datatype mismatch" 
1  { SELECT b FROM f1 ORDER BY a LIMIT 'hello' } {}
2  { SELECT b FROM f1 ORDER BY a LIMIT NULL } {}
3  { SELECT b FROM f1 ORDER BY a LIMIT X'ABCD' } {}
4  { SELECT b FROM f1 ORDER BY a LIMIT 5.1 } {}
5  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT group_concat(b) FROM f1) } {}
}

# EVIDENCE-OF: R-03014-26414 If the LIMIT expression evaluates to a
# negative value, then there is no upper bound on the number of rows
# returned.
#

do_select_tests e_select-9.4 
1  { SELECT b FROM f1 ORDER BY a LIMIT -1 } 
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
2  { SELECT b FROM f1 ORDER BY a LIMIT length('abc')-100 } 
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
3  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT count(*) FROM f1)/2 - 14 } 
    {a b c d e f g h i j k l m n o p q r s t u v w x y z}
}

# EVIDENCE-OF: R-33750-29536 Otherwise, the SELECT returns the first N
# rows of its result set only, where N is the value that the LIMIT
# expression evaluates to.
#

do_select_tests e_select-9.5 
1  { SELECT b FROM f1 ORDER BY a LIMIT 0 } {}
2  { SELECT b FROM f1 ORDER BY a DESC LIMIT 4 } {z y x w}
3  { SELECT b FROM f1 ORDER BY a DESC LIMIT 8 } {z y x w v u t s}
4  { SELECT b FROM f1 ORDER BY a DESC LIMIT '12.0' } {z y x w v u t s r q p o}
}

# EVIDENCE-OF: R-54935-19057 Or, if the SELECT statement would return
# less than N rows without a LIMIT clause, then the entire result set is
# returned.
#

do_select_tests e_select-9.6 

1  { SELECT b FROM f1 WHERE a>21 ORDER BY a LIMIT 10 } {v w x y z}
2  { SELECT count(*) FROM f1 GROUP BY a/5 ORDER BY 1 LIMIT 10 } {2 4 5 5 5}
}

# EVIDENCE-OF: R-24188-24349 The expression attached to the optional
# OFFSET clause that may follow a LIMIT clause must also evaluate to an
# integer, or a value that can be losslessly converted to an integer.
#
foreach {tn select} {
1  { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 'hello' }
2  { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET NULL }
3  { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET X'ABCD' }
4  { SELECT b FROM f1 ORDER BY a LIMIT 2 OFFSET 5.1 }
5  { SELECT b FROM f1 ORDER BY a
       LIMIT 2 OFFSET (SELECT group_concat(b) FROM f1) }
}
}
do_catchsql_test e_select-9.7.$tn $select {1 {datatype mismatch}}

# EVIDENCE-OF: R-20467-43422 If an expression has an OFFSET clause, then
# the first M rows are omitted from the result set returned by the
# SELECT statement and the next N rows are returned, where M and N are
# the values that the OFFSET and LIMIT clauses evaluate to,
# respectively.
#
do_select_tests e_select-9.8 {
1  { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 5} {f g h i j k l m n o}
2  { SELECT b FROM f1 ORDER BY a LIMIT 2+3 OFFSET 10} {k l m n o}
3  { SELECT b FROM f1 ORDER BY a
       LIMIT (SELECT a FROM f1 WHERE b='j')
       OFFSET (SELECT a FROM f1 WHERE b='b')
   } {c d e f g h i j k l}
4  { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 3.0 } {d e f g h}
5  { SELECT b FROM f1 ORDER BY a LIMIT '5' OFFSET 0 } {a b c d e}
6  { SELECT b FROM f1 ORDER BY a LIMIT 0 OFFSET 10 } {}
7  { SELECT b FROM f1 ORDER BY a LIMIT 3 OFFSET '1'||'5' } {p q r}
}

# EVIDENCE-OF: R-34648-44875 Or, if the SELECT would return less than
# M+N rows if it did not have a LIMIT clause, then the first M rows are
# skipped and the remaining rows (if any) are returned.
#
do_select_tests e_select-9.9 {
1  { SELECT b FROM f1 ORDER BY a LIMIT 10 OFFSET 20} {u v w x y z}
2  { SELECT a FROM f1 ORDER BY a DESC LIMIT 100 OFFSET 18+4} {4 3 2 1}
}
# EVIDENCE-OF: R-23293-62447 If the OFFSET clause evaluates to a negative value, the results are the same as if it had evaluated to zero.
#
# do_select_tests e_select-9.10 {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -1 } {a b c d e}
  2  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET -500 } {a b c d e}
  3  { SELECT b FROM f1 ORDER BY a LIMIT 5 OFFSET 0 } {a b c d e}
}

# EVIDENCE-OF: R-19509-40356 Instead of a separate OFFSET clause, the LIMIT clause may specify two scalar expressions separated by a comma.
#
# EVIDENCE-OF: R-33788-46243 In this case, the first expression is used as the OFFSET expression and the second as the LIMIT expression.
#
# do_select_tests e_select-9.11 {
  1  { SELECT b FROM f1 ORDER BY a LIMIT 5, 10 } {f g h i j k l m n o}
  2  { SELECT b FROM f1 ORDER BY a LIMIT 10, 2+3 } {k l m n o}
  3  { SELECT b FROM f1 ORDER BY a LIMIT (SELECT a FROM f1 WHERE b='b'), (SELECT a FROM f1 WHERE b='j') } {c d e f g h i j k l}
  4  { SELECT b FROM f1 ORDER BY a LIMIT 3.0, '5' } {d e f g h}
  5  { SELECT b FROM f1 ORDER BY a LIMIT 0, '5' } {a b c d e}
  6  { SELECT b FROM f1 ORDER BY a LIMIT 10, 0 } {}
  7  { SELECT b FROM f1 ORDER BY a LIMIT '1' || '5', 3 } {p q r}
  8  { SELECT b FROM f1 ORDER BY a LIMIT 20, 10 } {u v w x y z}
  9  { SELECT a FROM f1 ORDER BY a DESC LIMIT 18+4, 100 } {4 3 2 1}
  10 { SELECT b FROM f1 ORDER BY a LIMIT -1, 5 } {a b c d e}
  11 { SELECT b FROM f1 ORDER BY a LIMIT -500, 5 } {a b c d e}
  12 { SELECT b FROM f1 ORDER BY a LIMIT 0, 5 } {a b c d e}
}

finish_test

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application is free to use the same database connection or the

SQLite itself is in the public domain and can be used for any purpose. But TH3 is proprietary and requires a license.

# 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.
if capable !fts1 {
    finish_test
    return
}

# Test data for the Porter stemmer. The first word of each line

# Copyright
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# 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 FTS1 is a
# complete rewrite from scratch based on the algorithm specification
# and does not contain any code under copyright.
#
set porter_test_data {
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  abase   abas
  abash   abash
  abate   abat
  abated  abat
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  abbas   abbes
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  abhor   abhor
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# Create a full-text index to use for testing the stemmer.

```python
#
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):
License: Public Domain

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-HmFjlFog/sqlite.spec

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

MMFauxFont.prc

Found in path(s):
* %BeginFile
No license file was found, but licenses were detected in source scan.

public domain.</li>

Found in path(s):

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

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/*
 ** 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 ** SQLITE_CONFIG_MULTITHREAD configuration option. </dd>

**

** [[SQLITE_CONFIG_SERIALIZED]] <dt>SQLITE_CONFIG_SERIALIZED</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 ** SQLITE_CONFIG_SERIALIZED 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 simulates memory allocation failure or tracks memory usage, for example. */dd>*

**<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:*

**<li>sqlite3_memory_used()</li>*
** <li>sqlite3_memory_highwater()</li>*
** <li>sqlite3_soft_heap_limit64()</li>*
** <li>sqlite3_status()</li>*
** */ul>*

*Memory allocation statistics are enabled by default unless SQLite is compiled with [SQLITE_DEFAULT_MEMSTATUS]=0 in which case memory allocation statistics are disabled by default.*

**</dd>*

**<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 additional scratch memory beyond what is provided by this configuration option, then [sqlite3_malloc()] will be used to obtain the memory needed.*/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.</dd>

** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>
** <dd> ^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.</dd>

** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The argument specifies
** alternative low-level mutex routines to be used in place
** 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].</dd>

** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^  
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
profiling or testing, for example. ^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].</dd>

** [[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
<i>default</i> 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>
** 
** (This option takes a single argument which is a pointer to
an [sqlite3_pcachemethods2] object. This object specifies the interface
to a custom page cache implementation.)^ SQLite makes a copy of the
object and uses it for page cache memory allocations.)</dd>

** [[SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>
** 
** (This option takes a single argument which is a pointer to an
[sqlite3_pcachemethods2] object. SQLite copies of the current
page cache implementation into that object.)^</dd>

** [[SQLITE_CONFIG_LOG]] <dt>SQLITE_CONFIG_LOG</dt>
** 
** 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

---

Open Source Used in Cisco Unified Communication Manager 14SU2 13955
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 passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or 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.

[[SQLITE_CONFIG_COVERING_INDEX_SCAN]]

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 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]]

These options are obsolete and should not be used by new code. They are retained for backwards compatibility but are now no-ops.

[[SQLITE_CONFIG_SQLLOG]]

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.

[[SQLITE_CONFIG_MMAP_SIZE]]
** <dt>SQLITE_CONFIG_MMAP_SIZE  
** <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  
** [SQLITE_FCNTL_MMAP_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.  
** </dl>  
*/  

Found in path(s):  
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-HmFjfI Fog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/src/sqlite.h.in  
No license file was found, but licenses were detected in source scan.

SQLite is high-quality, public domain software. The goal of members can also request their own private, proprietary extensions

Found in path(s):  
No license file was found, but licenses were detected in source scan.

Suppose the demo_data.boundary field holds some proprietary data description

Found in path(s):  
No license file was found, but licenses were detected in source scan.

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.

SQLite is in the public domain. This document describes what that means

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 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.
if capable !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;
        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

<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 - 5499000</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 64996000</td>
<td>6000</td>
</tr>
</tbody>
</table>

```
INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.ing@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://expensesxms.enron.com/);

INSERT INTO email([from],[to],subject,body) VALUES('jeff.uff@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
-----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 ');
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.

"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');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com,
lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00
AM November 20,2000: E-GAS Request Reminder
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.
');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com',
'rwolkwitz@powermerchants.com', ",,

Here is a goody for you

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o"rourke@enron.com', 'k..allen@enron.com,

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com, ', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap  10.000 / Enron : 110.000 / HPL IFERC

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.';

INSERT INTO email([from],[to],subject,body) VALUES('michelle.lokay@enron.com', 'jimboman@bigfoot.com', 'Egyptian Festival', '---------------------- Forwarded by Michelle Lokay/ET&S/Enron on 09/07/2000
10:08 AM ---------------------------
"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

');

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
From: William Kelly @ ECT  

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');
INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

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');
Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric

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.

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
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, mark.palmer@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');

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@EUEnronXGate  
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, 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)  
- accenture-dealpoints v2.doc  
');  
INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com',  

Open Source Used In Cisco Unified Communication Manager 14SU2 13970
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.

INSERT INTO email([from],[to],subject,body) VALUES('judy.townsend@enron.com', 'dan.junek@enron.com, chris.germany@enron.com', '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" <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');
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
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

chris
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
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 you 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
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

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.
Variances detected.
Variances 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.
###############################################################################

do_test fts3ac-1.2 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
  }
} {6 17 25 38 40 42 73 74}
do_test fts3ac-1.3 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
  }
} {24 40}
do_test fts3ac-1.4 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  }
} {40}
do_test fts3ac-1.5 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
  }
} {40}
do_test fts3ac-1.6 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH '"mark susan"'
  }
} {}
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]}
do_test fts3ac-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 fts3ac-3.1 {
  execsql {
      SELECT rowid, offsets(email) FROM email
      WHERE body MATCH 'child product' AND +rowid=32
  }
}
do_test fts3ac-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
  }
}

do_test fts3ac-4.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
}

do_test fts3ac-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
}

do_test fts3ac-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts3ac-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
}

do_test fts3ac-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
}

do_test fts3ac-4.6 {
  execsql {
    SELECT snippet(email) FROM email
  }
}
WHERE email MATCH 'chris is here'
}
}

{{ chris.germany@enron.com" <<chris<<..." bet this chris is next to<<about going here Christmas eve<<}}

do_test fts3ac-4.7 {
execsql {

    SELECT snippet(email) FROM email
    WHERE email MATCH 'pursuant to'
}
}

{{Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together...}}

do_test fts3ac-4.8 {
execsql {

    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
}

{{pete. davis@enron.com...3; No ancillary schedules awarded detected in <b>Load</b> schedule.

LOG<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@enron.com...31 Keystone Receipts 15 Questar Pipeline 40 Rockies...}}

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';
}
}

do_test fts3ac-6.2 {
    execsql {
        DELETE FROM ft WHERE one = 'foo';
        SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
    }
}

finish_test

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
   HmFjlFog/sqlite-src-3071700.zip-cosi-expand-archive-XxY1Yc1I/sqlite-src-3071700/test/fts3ac.test
No license file was found, but licenses were detected in source scan.

%define name sqlite
%define version SQLITE_VERSION
%define release 1

Name: %name
Summary: SQLite is a C library that implements an embeddable SQL database engine
Version: %version
Release: %release
Source: %name-%version.tar.gz
Group: System/Libraries
URL: http://www.sqlite.org/
License: Public Domain
BuildRoot: %(_tmppath)/%name-%version-root

description
SQLite is a software library that implements a self-contained, serverless,
zero-configuration, transactional SQL database engine. Programs that link with
the SQLite library can have SQL database access without running a separate RDBMS process. The distribution comes with a
standalone command-line access program (sqlite) that can be used to
administer an SQLite database and which serves as an example of how to
use the SQLite library.

%package -n %name-devel
Summary: Header files and libraries for developing apps which will use sqlite
Group: Development/C
Requires: %name = %version-%release
The sqlite-devel package contains the header files and libraries needed to develop programs that use the SQLite database library.

%prep
%setup -q -n %name

%build
CFLAGS="%optflags -DNDEBUG=1" CXXFLAGS="%optflags -DNDEBUG=1" ./configure --prefix=%{_prefix}
make
make doc

%install
install -d $RPM_BUILD_ROOT/%{_prefix}
install -d $RPM_BUILD_ROOT/%{_prefix}/bin
install -d $RPM_BUILD_ROOT/%{_prefix}/include
install -d $RPM_BUILD_ROOT/%{_prefix}/lib
make install prefix=$RPM_BUILD_ROOT/%{_prefix}

%post -p /sbin/ldconfig

%postun -p /sbin/ldconfig

%clean
rm -fr $RPM_BUILD_ROOT

%files
%defattr(-, root, root)
%{_libdir}/*.so*
%{_bindir}/*

%files -n %name-devel
%defattr(-, root, root)
%{_libdir}/pkgconfig/sqlite3.pc
%{_libdir}/*.a
%{_libdir}/*.la
%{_includedir}/*
%doc doc/*

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
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 transaction

Volume Hedged
1      - 24990
2500 - 54995000
5500 - 64996000

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


Open Source Used In Cisco Unified Communication Manager 14SU2 13989
-----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), WSCE (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', 'enron.announcements@enron.com', 'EWS Brown Bag', 'MARK YOUR LUNCH CALENDARS NOW!')
"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');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
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.
'):
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com',
'rwolkwitz@powermerchants.com', ",','

Here is a goody for you);
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o"rorke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,','TRV Notification: (West VaR - 11/07/2001), 'The report named: West VaR
now available for viewing on the website.');

INSERT INTO email([from],[to],subject, body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; 110.000 / HPL IFERC

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');
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)"
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 --------------
To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON  
c: 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');  

John,
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',
'mmmmarcantel@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
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]

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, mark.palmer@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');

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 -------------------------
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)
- 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 ----------------------')
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
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');

-----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');

I’m hearing there is some hold-up & the units are stored on 44.

Shelley');

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'};
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.

')
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

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
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

Thank you,
Karolyn Criado
3-9441

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 cale.

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
-----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

chris
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
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:

Justin Boyd told me that you 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:
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 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');


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/litebytztoozprint.jpg');

COMMIT;
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"
}
} {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 fts2c-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 fts2c-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 fts2c-4.3 {
execsql {
SELECT snippet(email) FROM email
WHERE email MATCH 'deal sheet potential reuse'
}
} {{EOL-Accenture <b>Deal</b> <b>Sheet</b> intent
Review Enron asset base for <b>potential</b>/ <b>reuse</b>/ licensing
Contract negotiations <b>...</b>}}
do_test fts2c-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 fts2c-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 fts2c-4.6 {
execsql {
SELECT snippet(email) FROM email
WHERE email MATCH 'chris is here'
Sounds good to me. I bet this is next to the Warick? Hotel. place. What do you think about going here Christmas eve? They have an 11:00 a.m. here. Does this sound like the Warwick? I bet this is next to the Warick? Hotel. place. What do you think about going here Christmas eve? They have an 11:00 a.m. Here.

Erin:
Pursuant to your request, attached are the Schedule to the Load schedule. Variances detected.

LOG MESSAGES:

# Combinations of AND and OR operators:

matt.smith@enron.com six reports:
31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2

matt.smith@enron.com six reports:
31 Keystone Receipts
15 Questar Pipeline
1.1212 mdnsresponder 765.50.9

1.1212.1 Available under license:

The majority of the source code in the mDNSResponder project is licensed under the terms of the Apache License, Version 2.0, available from:
<http://www.apache.org/licenses/LICENSE-2.0>

To accommodate license compatibility with the widest possible range of client code licenses, the shared library code, which is linked at runtime into the same address space as the client using it, is licensed under the terms of the "Three-Clause BSD License".

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1.1213 attr 2.4.46 13.el7

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  jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
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  jar/com/google/common/util/concurrent/internal/InternalFutures.java

1.1215 icu 53
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```bash
## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

## Dependency rules
%.d: $(srcdir)/%.c
```
1.1216 java-support 7.5.2

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1.1221 jackson-dataformat-yaml 2.9.8

1.1221.1 Available under license:

# Jackson JSON processor

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* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/config/RedissonNodeConfig.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/spring/remote/RemoteServiceAckTimeoutException.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/spring/support/MasterSlaveServersConfig.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/spring/support/RedissonRPCClientDefinitionParser.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/spring/support/LocalCachedMapOptionsDecorator.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/spring/misc/BeanMethodInvoker.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/config/RedissonNodeConfig.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/config/MasterSlaveServersConfig.java
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* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/reactive/PublisherAdder.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-pubsub/LockPubSub.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/transaction/BaseTransactionalObject.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/config/SentinelServersConfig.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RBloomFilter.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/cluster/ClusterPartition.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/client/protocol/ScoredEntry.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/client/handler/PatternStatusListener.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/client/protocol/pubsub/PubSubStatusDecoder.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RAtomicDoubleRx.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/api/RBitSetReactive.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/codec/LZ4Codec.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/api/RRateLimiterReactive.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RBitSetReactive.java
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* /opt/cola/permits/1258059239_1643027311.43/0/redisson/api/RRateLimiterReactive.java
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jar/org/redisson/cache/LocalCachedMapClear.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/cache/CachedValue.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/command/CommandSyncService.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RedissonNodeInitializer.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RSortableRx.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RedissonNamespaceDefaultDecorator.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RCollectionRx.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/spring/support/RedissonNamespaceDefaultDecorator.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/spring/session/config/EnableRedissonHttpSession.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RTransaction.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RTopicReactive.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/api/RSemaphore.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-jar/org/redisson/transaction/HashValue.java

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  jar/org/redisson/liveobject/misc/ClassUtils.java
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* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-
  jar/org/redisson/spring/support/redisson-1.0.xsd
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-
  jar/org/redisson/spring/support/redisson-1.1.xsd
* /opt/cola/permits/1258059239_1643027311.43/0/redisson-2-15-2-sources-
  jar/org/redisson/spring/support/redisson-1.2.xsd
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1.1229 wstx-asl 3.2.4

1.1230 classmate 1.0.0

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Other developers who have contributed code are:

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1.1231 axiom-impl 1.2.21

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1.1234 linux-kernel 3.10.0-1062.18.1.el7

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

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(in case you are wondering where CyberLogin is, EON changed its login
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**1.1237 oro 2.0.7**

**1.1237.1 Available under license:**

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```

Daniel Savarese <dfs at savarese.org> is the original author of the OROMatcher, PerlTools, AwkTools, and TextTools packages that became the Jakarta-ORO project.

Jon Stevens <jon at collab.net> helped prepare the first release of jakarta-oro and is a constant help in keeping the project consistent with the Jakarta project as a whole.

Takashi Okamoto <tokamoto at rd.nttdata.co.jp> has contributed a unicode character class fix and an initial posix character class implementation.
Mark Murphy <markm at tyrell.com> has contributed performance improvements to Perl5Substitution as well as adding support for \\u\u005el\u005le and escaping of $.

Michael Davey <michael.davey at coderage.org> fixed some documentation and added a missing int substitute(...) method to Perl5Util.

Harald Kuhn <harald at ontopia.net> updated MatchActionProcessor.processMatches() to accommodate character encodings.

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1.1238 struts2-tiles-plugin 2.5.30

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Mesa 3-D graphics library
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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Henke, Joachim
Hideaki, Yoshifuji
Hies, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédéric
Margevius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarer, zgR
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
r, Balzs
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer
1.1252 wildfly-client-config 1.0.1.Final

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* /opt/ws_local/PERMITS_SQL/1074947796_1596001801.74/0/wildfly-client-config-1-0-1-final-sources-1.jar/org/wildfly/client/config/AbstractDelegatingXMLStreamReader.java
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1.1253 paramiko 2.1.1-9.el7

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## -*-makefile-*-

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

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

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

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

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

## Shared library options
LD_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
libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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

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(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.
## libressl

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## c-ares

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

## zlib

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

## MIT Kerberos

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.
## libssh2

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

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1.1260 axis2-transport-mail 1.7.9

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1.1262 biosdevname 0.7.3 2.el7

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1.1264 openssh 5.6

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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNDNORM0x0040
#define POLLNORMPOLLRDNDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#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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* @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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*/

#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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 *
*/

#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 */

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[This is the first released version of the library GPL. It is
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash
 * method in OpenJDK 7's java.util.HashMap class.
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/ImmutableEnumMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/RangeKeySortedSetMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/AbstractMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collection/all/AllEqualOrdering.java

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  jar/jersey/repackaged/com/google/common/collection/Interners.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
  jar/jersey/repackaged/com/google/common/collection/EnumMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
  jar/jersey/repackaged/com/google/common/collection/HashBiMap.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/AtomicDoubleArray.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/AtomicDoubleArray.java

jar/jersey/repackaged/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Hasher.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/HashCode.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Funnel.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/HashCodes.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/AbstractSortedMultiset.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Hashing.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/Queues.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/Funnels.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/EmptyImmutableSortedMultiset.java

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jar/jersey/repackaged/com/google/common/base/Ascii.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
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jar/jersey/repackaged/com/google/common/collection/RowSortedTable.java
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jar/jersey/repackaged/com/google/common/collection/UnmodifiableListIterator.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/Range.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repacked/com/google/common/primitives/Floats.java

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The document contains a list of files related to the Guava library, which is an open-source Java library for the manipulation of collections, caching, asynchronous event processing, and more. The files listed include:

- `MapConstraint.java`
- `DeadEvent.java`
- `Subscribe.java`
- `ForwardingSet.java`
- `ImmutableSet.java`
- `AbstractIterator.java`
- `package-info.java`
- `ConcurrentHashMultiset.java`
- `EmptyImmutableSet.java`
- `Flushables.java`
- `MapConstraints.java`
- `LexicographicalOrdering.java`
- `Throwables.java`
- `Iterators.java`
- `SingletonImmutableSet.java`
- `RegularImmutableSet.java`
- `FinalizablePhantomReference.java`
- `ForwardingConcurrentMap.java`
- `FinalizableReferenceQueue.java`
- `CountingInputStream.java`
- `AsyncEventBus.java`
- `EnumHashBiMap.java`
- `UsingToStringOrdering.java`

These files are located in the directory `/opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar` and are part of the Guava library, which is widely used in various applications for its robust and efficient collection manipulation capabilities.
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/ForwardingList.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/Multiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/Charsets.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/Preconditions.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/Multisets.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/Function.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/Defaults.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/eventbus/SynchronizedEventHandler.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/LinkedListMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/InputSupplier.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/Maps.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/eventbus/EventHandler.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/OutputSupplier.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/Multimaps.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/EmptyImmutableList.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/NaturalOrdering.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/ForwardingSortedSet.java
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/* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/TreeMultimap.java */
/* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/NullsFirstOrdering.java */
/* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/Ordering.java */

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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/cache/Weigher.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/SortedLists.java
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* Guava targets JDK5, whose AbstractExecutorService class lacks the newTaskFor protected
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/TimeLimiter.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/SimpleTimeLimiter.java
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1.1275 jaxb-api 2.2.11

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* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/JAXBElement.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XMLSchema.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmNsForm.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmNlElement.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmlIDREF.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmlElements.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/PrintConversionEvent.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/ParseConversionEvent.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmlTransient.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmlElementRef.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/XmlElement.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java
* /opt/cola/permits/1278352604_1654022869.4097037/0/jaxb-api-2-2-11-sources-
  jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java
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1.1284 glibc 2.13

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1.1286 curl 7.19.4

1.1286.1 Available under license:

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jaxrs-api

## Third-party Content

This project leverages the following third party content.

javaee-api (7.0)

* License: Apache-2.0 AND W3C

JUnit (4.11)

* License: Common Public License 1.0

Mockito (2.16.0)

* Project: http://site.mockito.org
* Source: https://github.com/mockito/mockito/releases/tag/v2.16.0

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1.1289 e2fsprogs 1.42.9-16.el7

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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/*
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-  
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file system consistency checker (e2fsck.static). The EXT2 utilities
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Description library. It is currently distributed together with the EXT2 file
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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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"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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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
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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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Gadi Oxman, August 1995

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1.1291 jaxb-runtime 2.3.5

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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
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jar/org/springframework/aop/framework/ProxyCreatorSupport.java
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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java
* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/framework/AbstractAdvisingBeanPostProcessor.java
* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/framework/AopProxyUtils.java
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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java

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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/lock/springframework/aop/support/StaticMethodMatcher.java
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description of each third-party package. At the end of this file is the
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On all platforms, Nmap is normally linked with:
o libpcap: Network packet capture library. Distributed with Nmap in the
libpcap subdirectory.
http://www.tcpdump.org/
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:
o Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
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The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
   http://www.x.org/ http://www.macports.org/

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

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

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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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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.

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(For example, a function in a library to compute square roots has
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1.1308 libsemanage 2.5 14.el7

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

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Vladimir Kliatchko
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
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Upon termination of this Agreement, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

10.3 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5, 6, 7, 8, 9, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, and 10.8 of this Agreement.

10.4 Entire Agreement
This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement (“Non-Disclosure Agreement”), if any, shall be subject to Section 9. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

10.5 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software.

10.6 Governing Law and Legal Venue

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defense or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or proceeding is improper. Notwithstanding the foregoing, nothing in this Section 9.6 is intended to, or shall be deemed to, constitute a submission or consent to, or
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TECHNOLOGY PREVIEW LICENSE AGREEMENT: Rest of the World

Agreement version 2.4

This Technology Preview License Agreement ("Agreement") is a legal agreement between Digia Finland Ltd ("Digia"), with its registered office at Valimotie 21.FI-00380 Helsinki, Finland and you (either an individual or a legal entity) ("Licensee") for the Licensed Software.

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"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition
of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Term" shall mean the period of time six (6) months from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Digia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Digia to Licensee in conjunction with this Agreement.

"Party" or "Parties" shall mean Licensee and/or Digia.

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Digia has no obligation to furnish Licensee with any technical support whatsoever. Any such support is subject to separate agreement between the Parties.

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The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

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9. CONFIDENTIALITY

Each party acknowledges that during the Term of this Agreement it shall
have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its Affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 9, this Section 9 shall be controlling over the terms of the Non-Disclosure Agreement.

10. GENERAL PROVISIONS

10.1 No Assignment
Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld.

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10.4 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 9. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

10.5 Export Control

Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of
the Licensed Software and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software.

10.6 Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

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

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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When we speak of free software, we are referring to freedom, 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 or use pieces of it in new free programs; and that you know you can do these things.

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

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect
transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.1329 icu 57

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

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

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

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

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

## Shared library options
LD_SOOPTIONS= -Wl,-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 $@ $<

Open Source Used In Cisco Unified Communication Manager 14SU2 15100
## Dependency rules

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

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

## Versioned libraries rules

%.SO.$(SO_TARGET_VERSION_MAJOR): %.SO.$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.SO: %.SO.$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

1.1330 linux-kernel 3.12.33

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FlashPoint Driver Developer's Kit
Version 1.0

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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
Implementing minimal-copy of received data:

* IDT always receives data into a small buffer, then large buffers as needed. This means that data must always be copied to create the linear buffer needed by most non-ATM protocol stacks (e.g. IP).
* Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:
  1) skb->destructor / skb->atm.recycle_buffer combined, allow nicstar_free_rx_skb to be called to recycle large data buffers
  2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation details.

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* M. Welsh, 6 July 1996

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for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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single nxt200x frontend driver.

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1.1335 openssl 1.0.2l

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* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources-jar/com/sun/msv/datatype/xsd/DurationType.java
* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources-jar/com/sun/msv/datatype/xsd/TokenType.java
* /opt/cola/permits/1257217844_1642790354.82/0/xsdlib-2013-6-1-sources-jar/com/sun/msv/datatype/xsd/MaxLengthFacet.java
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jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
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jar/org/springframework/web/servlet/function/ServerRequestExtensions.kt
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/EncodedResourceResolver.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/RouterFunction.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/ServerResponseExtensions.kt
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/ServerRequestExtensions.kt
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/HandlerFunction.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/support/HandlerFunctionAdapter.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/RenderingResponse.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/HandlerFilterFunction.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/ToStringVisitor.java

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/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/VersionPathStrategy.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxView.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/tags/ArgumentAware.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/NoHandlerFoundException.java */
/* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/VersionStrategy.java */
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/*
XSLT-driven View that allows for response context to be rendered as the
result of an XSLT transformation.

<p>The XSLT Source object is supplied as a parameter in the model and then
a specific entry in the model via the sourceKey property or
have Spring locate the Source object. This class also provides basic conversion
of objects into Source implementations. See here for more details.</p>

<p>All model parameters are passed to the XSLT Transformer as parameters.
In addition the user can configure output properties to be passed to the Transformer.</p>

@author Rob Harrop
@author Juergen Hoeller
@since 2.0
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*/opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/tags/FormTag.java
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*/opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/tags/BindTag.java
*/opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfigurer.java
*/opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/config/GroovyMarkupConfigurerBeanDefinitionParser.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/config/ViewResolversBeanDefinitionParser.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/tiles3/SimpleSpringPreparerFactory.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/TransformedResource.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/HandlerAdapter.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ServletResponseMethodArgumentResolver.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
  jar/org/springframework/web/servlet/function/support/RouterFunctionMapping.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/ResourceHttpRequestHandler.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/ResourceUrlProvider.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/resource/PathResourceResolver.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/function/DefaultAsyncServerResponse.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/handler/HandlerMappingIntrospector.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/handler/RequestMatchResult.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedLists.java
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/**
* Holder for web specializations of methods of @code Ints}. Intended to be empty for regular
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*/

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteStreams.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingCondition.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/CombinedFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.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/primitives/UnsignedInts.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/Funnel.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/ParseRequest.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/HashFunction.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingSortedMultiset.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Count.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SortedIterables.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>
* <p>TODOrkevinb): support concurrently modified collections?
* </p>
* @param c the collection for which to return an array of elements
*/

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/MoreObjects.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeToken.java
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jar/com/google/common/util/concurrent/ServiceManagerBridge.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/Java8Usage.java
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jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/Runnables.java
jar/com/google/common/base/Verify.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/BaseImmutableMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/IndexedImmutableSet.java
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jars/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/RangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/ForwardingNavigableSet.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/EvictingQueue.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/jar/guava-30-1-jre-sources-1
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/AbstractNavigableMap.java

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 */
/**
 **
 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
 * version.
 */

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 */
/**
 **
 * 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
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/MoreFiles.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Serialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/StandardTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMapValues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Collections2.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableCollection.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Table.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CollectPreconditions.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/HashBasedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Entries.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Maps.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Iterables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Checks.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Lists.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Lists2.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Arrays.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharSource.java
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  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/Traverser.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ClosingFuture.java

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*/
*/
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jar/com/google/common/collect/Hashing.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.

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.

```
/*
 */
/**
 * 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.
 * 
 * We can't use `@code PartiallyGwtIncompatible` because then the GWT compiler wouldn't recognize it as a `@code GwtIncompatible` annotation. And for `@code Futures.catching`, we need the GWT compiler to autostrip the normal server method in order to expose the special, inherited GWT version.
 */

Found in path(s):
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Partially.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/Graphs.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/MutableGraph.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/hash/LongAdder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/hash/Striped64.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/ListenableFutureTask.java
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  jar/com/google/common/escape/UnicodeEscaper.java
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  jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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  jar/com/google/common/base/Converter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Ints.java
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  jar/com/google/common/primitives/Longs.java
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  jar/com/google/common/primitives/Ints.java
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  jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/Ints.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SortedMapDifference.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>
 */
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 */
/**
**/

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jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources.jar/javax/validation/ConstraintViolationException.java
* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources.jar/javax/validation/ConstraintValidatorFactory.java
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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources.jar/javax/validation/ReportAsSingleViolation.java
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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/AssertFalse.java
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Found in path(s):
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/CodeGen.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/convert/TransformAccessArrayField.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/FramePrinter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ast/CtMethod.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/Frame.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/SignatureAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Frame.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Conversion.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/CompiledClassFile.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/CompiledMethodSignature.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/InstructionSet.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/InstructionSetMap.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Opcode.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/FieldDescriptor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Field.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/MethodDescriptor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Method.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Access.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/AccessAttribute.java
*/
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/convert/Transformer.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypeTag.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/InstructionPrinter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtBehavior.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/Cast.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ProceedHandler.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Descriptor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Visitor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/CallExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/MethodImpl.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/CallExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ConstantAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ProxyFactory.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ProxyObjectInputStream.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/NewExpr.java
No license file was found, but licenses were detected in source scan.

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*/

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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ShortMemberValue.java

1.1369 stax 3.1.1
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1.1370 libndp 1.2 7.el7

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Theodore Ts'o
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That's all there is to it!

his 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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 */
 *
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 *
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-java/jersey/repackaged/com/google/common/reflect/TypeResolver.java
*/
jar/jersey/repackaged/com/google/common/collect/ImmutableSortedAsList.java
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jar/jersey/repackaged/com/google/common/io/GwtWorkarounds.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
jar/jersey/repackaged/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
jar/jersey/repackaged/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
jar/jersey/repackaged/com/google/common/hash/ChecksumHashFunction.java
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 *
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/math/MathPreconditions.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/EnumMultiset.java
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* This following method is a modified version of one found in
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  jar/jersey/repackaged/com/google/common/collection/MapMakerInternalMap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
  jar/jersey/repackaged/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
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  jar/jersey/repackaged/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
  jar/jersey/repackaged/com/google/common/collection/ImmutableListMultimap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
  jar/jersey/repackaged/com/google/common/collection/Platform.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-
  jar/jersey/repackaged/com/google/common/collection/ImmutableSortedSet.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/FluentIterable.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/EmptyImmutableBiMap.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ImmutableBiMap.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/Serialization.java

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  jar/jersey/repackaged/com/google/common/io/PatternFilenameFilter.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collection/package-info.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collection/ExplicitOrdering.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collection/ForwardingQueue.java
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  jar/jersey/repackaged/com/google/common/collect/ContiguousSet.java
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  jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/net/package-info.java
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Enumerate a
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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!
commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

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 by .c files there.

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/sysv/linux/wait3.c) affects debug info, but
the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from
  sysdeps/unix/bsd4.4/syscalls.list.
(fchflags): Likewise.
(revoke): Likewise.
(setlogin): Likewise.
(sigaltstack): Likewise.
(wait4): Likewise.
(signblock): Remove.
(sigsetmask): Likewise.
(wait3): Likewise.
(waitpid): Likewise.
* sysdeps/unix/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/sysv/linux/wait3.c: Update directory of included
  file.
* sysdeps/unix/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd4.4/versions: Move to ...
* sysdeps/unix/bsd/versions: ... here.
* sysdeps/unix/bsd4.4/bits/sockaddr.h: Move to ...
* sysdeps/unix/bsd/bits/sockaddr.h: ... here.
* sysdeps/unix/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234e1f1f1522 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/Version b/sysdeps/unix/bsd/Version
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Version
rename to sysdeps/unix/bsd/Version
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h b/sysdeps/unix/bsd/bits/socketaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h
rename to sysdeps/unix/bsd/bits/socketaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/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__sigaltstack__sigaltstack
-wait-wait4wait4wait4

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/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 e84819dc1ff9d1f8..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-getdtablesize0__getdtablesigetdtablesize
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__sigvecsigvec
-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/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
diff --git a/sysdeps/unix/bsd/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c

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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Written by: Philip Hazel
Email local part: ph10
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1.1405 time 1.7

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1.1414 pciutils 3.5.1-3.el7

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  jar/org/apache/commons/discovery/tools/DefaultClassHolder.java
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  jar/org/apache/commons/discovery/tools/PsuedoSystemClassLoader.java
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  jar/org/apache/commons/discovery/DiscoveryException.java
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*/
/**
* Encodes and decodes to and from Base64 notation.
* *
* Change Log:
* */
* <p>
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading
* and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like
* EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
* <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner.
* The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically.
* Generally things are cleaner. You'll probably have to change some method calls that you were making to support the
* new options format.</li>
* <li>v1.5.1 - Fixed an error when decoding to a byte[] using
* <tt>decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in the Output Stream
* so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML
* file).</li>
* <li>v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when using GZIP
* streams. Added the ability to GZip-compress objects before encoding them.</li>
* <li>v1.4 - Added helper methods to read/write files.</li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if
* not completely full, was not returned.</li>
* <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
* <p>
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* href="http://iharder.net/base64">http://iharder.net/base64</a> periodically to check for updates or to contribute
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1.1427 libxml 2.9.9

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uses the Library'', as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@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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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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@end enumerate

@end subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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linked with the Library has the freedom and the wherewithal to run
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modification follow. Pay close attention to the difference between a
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The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
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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
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Activities other than copying, distribution and modification are not
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and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest
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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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That's all there is to it!

1.1439 llvm 6.0.1-2.el7
1.1439.1 Available under license:

RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s

Test that early if conversion produces LOCR with operands of the right register classes.

define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

CF246:
; preds = %CF246, %BB
%S1163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248:
; preds = %CF248, %CF246
store i8 %S1163, i8* %0
br label %CF248
}

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit
; FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: add256:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpadd (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpadd 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: add512:
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: avg_v64i8_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rsi), %ymm0
    ; CHECK-NEXT:  vmovdqa32(%rsi), %ymm1
    ; CHECK-NEXT:  vpavgb (%rdi), %ymm0, %ymm0
    ; CHECK-NEXT:  vpavgb32(%rdi), %ymm1, %ymm1
    ; CHECK-NEXT:  vmovdqu %ymm1, (%rax)
    ; CHECK-NEXT:  vmovdqu %ymm0, (%rax)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, %1 to <64 x i32>
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, %5, %4
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: avg_v64i8_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa64 (%rsi), %zmm0
    ; CHECK-NEXT:  vpavgb (%rdi), %zmm0, %zmm0
    ; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: pmaddwd_32_256:
    ; CHECK:    # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:  vpmaddwd (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT:  vpmaddwd 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %A = load <32 x i16>, <32 x i16>* %APtr
    %B = load <32 x i16>, <32 x i16>* %BPtr
    %a = sext <32 x i16> %A to <32 x i32>
    %b = sext <32 x i16> %B to <32 x i32>
    %m = mul nsw <32 x i32> %a, %b
    %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
    %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
    %ret = add <16 x i32> %odd, %even
    store <16 x i32> %ret, <16 x i32>* %CPtr
    ret void
}
define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
}
; CHECK-NEXT:     vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT:     vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:     vzeroupper
; CHECK-NEXT:     retq
  %x = load <64 x i8>, <64 x i8>* %xptr
  %y = load <64 x i8>, <64 x i8>* %yptr
  %cmp = icmp ult <64 x i8> %x, %y
  %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
  %res = sub <64 x i8> %max, %y
  store <64 x i8> %res, <64 x i8>* %zptr
ret void
}
define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK:     # %bb.0: # %entry
; CHECK-NEXT:     movl %edx, %eax
; CHECK-NEXT:     vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:     xorl %ecx, %ecx
; CHECK-NEXT:     vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT:     vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT:     .p2align 4, 0x90
; CHECK-NEXT:   .LBB8_1: # %vector.body
; CHECK-NEXT:     # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:     vpmovsxbw (%rdi,%rcx), %ymm3
; CHECK-NEXT:     vpmovsxbw 16(%rdi,%rcx), %ymm4
; CHECK-NEXT:     vpmovsxbw (%rsi,%rcx), %ymm5
; CHECK-NEXT:     vpmaddwd %ymm3, %ymm5, %ymm3
; CHECK-NEXT:     vpaddd %ymm1, %ymm3, %ymm1
; CHECK-NEXT:     vpmaddwd %ymm4, %ymm3, %ymm3
; CHECK-NEXT:     vpaddd %ymm2, %ymm3, %ymm2
; CHECK-NEXT:     addq $32, %rcx
; CHECK-NEXT:     cmpq %rcx, %rax
; CHECK-NEXT:     jne .LBB8_1
; CHECK-NEXT:     vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:     vpsubfd {{.*#+}} %ymm1 = xmm0[2,3,0,1]
; CHECK-NEXT:     vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:     vpsubfd {{.*#+}} %ymm1 = xmm0[1,1,2,3]
; CHECK-NEXT:     vpadd %ymm1, %xmm0, %xmm0
; CHECK-NEXT:     vmovd %xmm0, %eax
; CHECK-NEXT:     vzeroupper
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: _Z9test_charPcS_i_512:
    ; CHECK:    # %bb.0: # %entry
    ; CHECK-NEXT: movl %edx, %eax
    ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT: xorl %ecx, %ecx
    ; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT: .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB9_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %zmm2
    ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %zmm3
    ; CHECK-NEXT:    vpmaddwd %zmm2, %zmm2, %zmm2
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm2, %zmm2
    ; CHECK-NEXT:    addq $32, %rcx
    ; CHECK-NEXT:    cmpq %rcx, %rax
    ; CHECK-NEXT:    jne .LBB9_1
    ; CHECK-NEXT:  # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %xmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
    ; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpaddd %xmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vpsubsd {{.*#+}} xmm1 = xmm0[1,1,2,3]
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
    ; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body
vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*)
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1  
%9 = sext <32 x i8> %wide.load14 to <32 x i32> 
%10 = mul nsw <32 x i32> %9, %6 
%11 = add nsw <32 x i32> %10, %vec.phi 
%index.next = add i64 %index, 32  
%12 = icmp eq i64 %index.next, %3  
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1 
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx17, %rdx.shuf19 
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 2, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx19, %rdx.shuf19 
%13 = extractelement <32 x i32> %bin.rdx20, i32 0  
ret i32 %13
}

@a = global [1024 x i8] zeroinitializer, align 16  
@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
; CHECK-LABEL: sad_16i8_256:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90

}
; CHECK-NEXT:  .LBB10_1: # %vector.body
; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:  vmovdqu a+1024(%rax), %xmm2
; CHECK-NEXT:  vpsadbw b+1024(%rax), %xmm2, %xmm2
; CHECK-NEXT:  vpadd %ymm1, %ymm2, %ymm1
; CHECK-NEXT:  addq $4, %rax
; CHECK-NEXT:  jne .LBB10_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpaddd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpaddd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
entry:
  br label %vector.body

vector.body:

  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitialize, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, %i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1,
  %8 = sub nsw <16 x i32> zeroinitialize, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 4
  %11 = icmp eq i64 %index.next, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:

  %.lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32
define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK:       # %bb.0: # %entry
; CHECK-NEXT:   vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:   movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT:   .p2align 4, 0x90
; CHECK-NEXT:  .LBB11_1: # %vector.body
; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:    vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm1, %xmm1
; CHECK-NEXT:    vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:    addq $4, %rax
; CHECK-NEXT:    jne .LBB11_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vextracti128 $1, %ymm0, %zmm1
; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,2,3]
; CHECK-NEXT:    vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vmovd %zmm0, %eax
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
entry:
  br label %vector.body
}

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undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef>

%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef>

%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef>

%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12

vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi [ i64 <16 x i32> [ zeroinitialize, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [
%10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, undef, <16 x i32> %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> %i32 4, %i32 5, %i32 6, %i32 7, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> %i32 2, %i32 3, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> %i32 1, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f32_256:
; CHECK:     # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtqd2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vcvtqd2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sbto16f32_512:
  ; CHECK:
  # %bb.0:
  ; CHECK-NEXT: vpmovw2m %ymm0, %k0
  ; CHECK-NEXT: vpmovm2d %k0, %zmm0
  ; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0
  ; CHECK-NEXT: vmovaps %zmm0, (%rdi)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %mask = icmp slt <16 x i16> %a, zeroinitializer
  %1 = sitofp <16 x i1> %mask to <16 x float>
  store <16 x float> %1, <16 x float>* %res
  ret void
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: sbto16f64_256:
  ; CHECK:
  # %bb.0:
  ; CHECK-NEXT: vpmovw2m %ymm0, %k0
  ; CHECK-NEXT: kshiftrw $8, %k0, %k1
  ; CHECK-NEXT: vpmovm2d %k1, %ymm0
  ; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1
  ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
  ; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0
  ; CHECK-NEXT: vpmovm2d %k0, %ymm2
  ; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3
  ; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
  ; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2
  ; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
  ; CHECK-NEXT: vmovaps %ymm3, (%rdi)
  ; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
  ; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %mask = icmp slt <16 x i16> %a, zeroinitializer
  %1 = sitofp <16 x i1> %mask to <16 x double>
  store <16 x double> %1, <16 x double>* %res
  ret void
}
define void @sbto16f64_512(16 x i16) %a, 16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvtqd2pd %ymm0, %zmm0
; CHECK-NEXT: vxextract64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvtqd2pd %ymm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT: vmovaps %zmm1, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f32_256(16 x i16) %a, 16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrl $31, %ymm0, %ymm0
; CHECK-NEXT: vcvtq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vpsrl $31, %ymm1, %ymm1
; CHECK-NEXT: vcvtq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @ubto16f32_512(16 x i16) %a, 16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f32_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrl $31, %ymm0, %ymm0
; CHECK-NEXT: vcvtq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vpsrl $31, %ymm1, %ymm1
; CHECK-NEXT: vcvtq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}
define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}
%1 = uito fp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: test_16f32toub_256:
  ; CHECK:
  ; CHECK-NEXT: vcvt pps2 dq (%rdi), %xmm1
  ; CHECK-NEXT: vps l d $31, %xmm1, %xmm1
  ; CHECK-NEXT: vpmovd2 m %ymm1, %k0
  ; CHECK-NEXT: vcvt pps2 dq 32(%rdi), %ymm1
  ; CHECK-NEXT: vps l d $31, %ymm1, %ymm1
  ; CHECK-NEXT: vpmovd2 m %ymm1, %k1
  ; CHECK-NEXT: kunpckbw %k0, %k1, %k1
  ; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}
  ; CHECK-NEXT: retq
  %a = load <16 x float>, <16 x float>* %ptr
  %mask = f pto ui <16 x float> %a to <16 x i1>
  %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
  ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: test_16f32toub_512:
  ; CHECK:
  ; CHECK-NEXT: vcvt pps2 dq (%rdi), %zmm1
  ; CHECK-NEXT: vps l d $31, %zmm1, %zmm1
  ; CHECK-NEXT: vpmovd2 m %zmm1, %k1
  ; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}
  ; CHECK-NEXT: retq
  %a = load <16 x float>, <16 x float>* %ptr
  %mask = f pto ui <16 x float> %a to <16 x i1>
  %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
  ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: test_16f32tosb_256:
  ; CHECK:
  ; CHECK-NEXT: vcvt pps2 dq (%rdi), %ymm1
  ; CHECK-NEXT: vpmovd2 m %ymm1, %k0
  ; CHECK-NEXT: vcvt pps2 dq 32(%rdi), %ymm1
  ; CHECK-NEXT: vpmovd2 m %ymm1, %k1
  ; CHECK-NEXT: kunpckbw %k0, %k1, %k1

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define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32tosb_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: mul256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:    vmovdqa (%rsi), %ymm2
    ; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm3
    ; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm4 =
    ; CHECK-NEXT:    ymm0[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm0[11],ymm2[12],ymm0[12],ymm2[13
    ; CHECK-NEXT:    ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm
    ; CHECK-NEXT:    m0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[3
    ; CHECK-NEXT:    1]
    ; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm5 =
    ; CHECK-NEXT:    ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,31]
    ; CHECK-NEXT:    vmullw %ymm4, %ymm5, %ymm4
    ; CHECK-NEXT:    vpand %ymm5, %ymm4, %ymm4
    ; CHECK-NEXT:    vmovdqa {{.*#+}} ymm5 =
    ; CHECK-NEXT:    vpand %ymm5, %ymm4, %ymm4
    ; CHECK-NEXT:    vpunpcklwb {{.*#+}} ymm2 =
    ; CHECK-NEXT:    ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5
    ; CHECK-NEXT:    ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[1
    ; CHECK-NEXT:    9],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
    ; CHECK-NEXT:    vpunpcklwb {{.*#+}} ymm0 =
    ; CHECK-NEXT:    ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:  vpackuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm2 =
  ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],
  ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],
  ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
  ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],
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  ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:  vpumull %ymm2, %ymm4, %ymm2
; CHECK-NEXT:  vpand %ymm5, %ymm2, %ymm2
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm3 =
  ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[5],
  ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[31],
  ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm1 =
  ymm1[0],ymm0[0],ymm1[1],ymm0[1],ymm1[2],ymm0[2],ymm1[3],ymm0[3],ymm1[4],ymm0[4],ymm1[5],ymm0[5],
  ymm1[6],ymm0[6],ymm1[7],ymm0[7],ymm1[16],ymm0[16],ymm1[17],ymm0[17],ymm1[18],ymm0[18],ymm1[19],
  ymm0[19],ymm1[20],ymm0[20],ymm1[21],ymm0[21],ymm1[22],ymm0[22],ymm1[23],ymm0[23]
; CHECK-NEXT:  vpumull %ymm3, %ymm1, %ymm1
; CHECK-NEXT:  vpand %ymm5, %ymm1, %ymm1
; CHECK-NEXT:  vpackuswb %ymm2, %ymm1, %ymm1
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL:  mul512:
; CHECK:  # %bb.0:
; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-NEXT:  vpunpckhbw {{.*#+}} zmm2 =
  zmm1[8],zmm0[8],zmm1[9],zmm0[9],zmm1[10],zmm0[10],zmm1[11],zmm0[11],zmm1[12],zmm0[12],zmm1[13],
  zmm0[13],zmm1[14],zmm0[14],zmm1[15],zmm0[15],zmm1[24],zmm0[24],zmm1[25],zmm0[25],zmm1[26],zmm0[26],
  zmm1[27],zmm0[27],zmm1[28],zmm0[28],zmm1[29],zmm0[29],zmm1[30],zmm0[30],zmm1[31],zmm0[31],zmm1[40],
  zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[45],
  zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],zmm0[58],
  zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[63]
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<none yet>

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'zext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC512-LABEL: 'zext256'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    %E = zext <32 x i8> undef to <32 x i16>
define void @sext256() "min-legal-vector-width"="256" {
    ; AVX-LABEL: 'sext256'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; SKX256-LABEL: 'sext256'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC512-LABEL: 'sext256'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    
    %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    %E = zext <32 x i8> undef to <32 x i16>
    ret void
}

define void @zext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'zext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; SKX256-LABEL: 'zext512'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC512-LABEL: 'zext512'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    %E = zext <32 x i8> undef to <32 x i16>
    ret void
}
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

define void @sext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'sext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'sext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}
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 */

; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph:                      ; preds = %entry
    br label %while.body

  while.body:                               ; preds = %exit.2, %while.body.lr.ph
    %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
    switch i32 undef, label %exit [
      i32 1, label %sw.bb.i
      i32 2, label %sw.bb3.i
    ]

    sw.bb.i:                          ; preds = %while.body
      unreachable

    sw.bb3.i:                         ; preds = %while.body
      unreachable

  exit:                                    ; preds = %while.body
    switch i32 undef, label %exit.2 [
      i32 1, label %sw.bb.i17
      i32 2, label %sw.bb3.i20
    ]

    sw.bb.i17:                      ; preds = %.exit
      %0 = bitcast %struct.0* %lsr.iv to i32*
      %1 = load i32, i32* %0, align 4
      unreachable

    sw.bb3.i20:                    ; preds = %exit
      %2 = bitcast %struct.0* %lsr.iv to i8**
      %3 = load i8*, i8** %2, align 4
      unreachable

  exit.2:                                 ; preds = %exit
    %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
    br label %while.body
while.end: ; preds = %entry
ret void
}

attributes #0 = { nounwind optsizetarget-cpu="hexagonv55"
}
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
define internal void @innerSmall() "min-legal-vector-width"="128" { 
    ret void 
}
define internal void @innerLarge() "min-legal-vector-width"="512" { 
    ret void 
}
define internal void @innerNoAttribute() { 
    ret void 
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() { 
    call void @innerLarge() 
    ret void 
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" { 
    call void @innerLarge() 
    ret void 
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" { 
    call void @innerSmall() 
    ret void 
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" { 
    call void @innerNoAttribute() 
    ret void 
}

; CHECK: define void @outerNoAttribute() { 
; CHECK: define void @outerConflictingAttributeSmall() #0 
; CHECK: define void @outerConflictingAttributeLarge() #0 
; CHECK: define void @outerAttribute() { 
; CHECK: attributes #0 = { "min-legal-vector-width"="512" } 
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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG:  %[[C1:const[0-9]?]] = bitcast i32 805874720 to i32
; CHECK-DAG:  %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK-DAG:  %[[C3:const[0-9]?]] = bitcast i32 805873720 to i32
; CHECK-DAG:  %[[C4:const[0-9]?]] = bitcast i32 805873688 to i32
; CHECK:  %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT:  %1 = load volatile i8, i8* %0
; CHECK-NEXT:  %2 = inttoptr i32 %[[C2]], 4
; CHECK-NEXT:  %2 = inttoptr i32 %[[M1]], 4
; CHECK-NEXT:  %3 = load volatile i8, i8* %2
; CHECK-NEXT:  %3 = load volatile i8, i8* %2
; CHECK-NEXT:  %4 = inttoptr i32 %[[M2]], 31
; CHECK-NEXT:  %5 = load volatile i8, i8* %4
; CHECK-NEXT:  %6 = inttoptr i32 %[[C1]], 31
; CHECK-NEXT:  %7 = load volatile i8, i8* %6
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@goo = global i8* undef

define void @foo_i8() {
  entry:
  %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
  %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
  %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
  %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
  %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
  store i8 %4, i8* inttoptr(i32 805873688 to i8*)
  store i8 %3, i8* inttoptr(i32 805873719 to i8*)
  store i8 %2, i8* inttoptr(i32 805873720 to i8*)
  store i8 %1, i8* inttoptr(i32 805873727 to i8*)
  store i8* inttoptr(i32 805874800 to i8*), i8** @goo
  ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i16 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
define void @foo_i16() {
entry:
  %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
  %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
  %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
  %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
  %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
  %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
ret void
}

define void @foo_i32() {
entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
  %2 = load volatile i32, i32* inttoptr (i32 805874720 to i32*), align 4
  %3 = load volatile i32, i32* inttoptr (i32 805874750 to i32*), align 4
  %4 = load volatile i32, i32* inttoptr (i32 805874752 to i32*), align 4
  %5 = load volatile i32, i32* inttoptr (i32 805874774 to i32*), align 4
ret void
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<tr>
<td>md5 contributions</td>
<td>llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h</td>
</tr>
</tbody>
</table>

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-----------------------------------
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; RUN: llc -s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000800000000000000000, %mul
  ret fp128 %res
}

; Additional code definitions...

; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000800000000000000000, %mul
  ret fp128 %res
}
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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsQueryContext.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/package-info.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsResolveContext.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java

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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsCache.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/InflightNameResolver.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/NoopDnsCache.java

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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/NoopDnsCnameCache.java
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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/NoopDnsServerCache.java
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* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserver.java