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- libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
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- 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.
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On Windows only, Nmap uses:
- WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
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Written by: Philip Hazel
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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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 
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b) Use a suitable shared library mechanism for linking with the 
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1.8 juli 6.0.53

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1.9 jersey-client 2.12

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1.11 forgerock-guava-primitives 18.0.4

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1.14 glibc 2.18

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

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

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

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
tmac/doc-syms
tmac/groff_mdoc.man

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

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

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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehypht-x-2017-03-31.pat' and `dehyphn-x-2017-03-31.pat' (for TeX), respectively, which can be found at

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

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1.17 commons-codec 1.7

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1.29 cxf-rt-rs-security-oauth2 3.5.0

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1.30 jaxb-libs 1.0.6

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1.31 mysql-connector-java 5.1.13

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* @version 3.0 (December 2000)
* 
* Optimised ANSI C code for the Rijndael cipher (now AES)
* 
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.59 httpcore-nio 4.4.14

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1.62 forgerock-util 21.0.0-alpha-23

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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/spi/ConfigurationState.java
* /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
* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ValidatorFactory.java
* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/ValidatorContext.java
*/
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  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/metadata/ConstraintDescriptor.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/GroupDefinitionException.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/ConstraintDeclarationException.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/Validation.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/constraints/AssertFalse.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/constraints/Future.java
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  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/spi/BootstrapState.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/Payload.java
  */opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-jar/javax/validation/ConstraintDefinitionException.java
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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-
jar/javax/validation/metadata/MethodDescriptor.java
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* /opt/cola/permits/1005661449_1651084993.5/0/validation-api-1.1.0-final-sources-
jar/javax/validation/groups/ConvertGroup.java

1.65 pycurl 7.19.0-19.el
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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.74 commons-codec 1.11

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1.78 dosfs-tools 3.0.20

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 * Thrown during bytecode enhancement conversions of ognl expressions to indicate
 * that a certain expression isn't currently supported as a pure java bytecode enhanced
* version.
* 
* If this exception is thrown it is expected that ognl will fall back to default ognl
* evaluation of the expression.
* 
* @author jkuhnert
*/

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 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ListPropertyAccessor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTList.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/SimpleNode.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTCtor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/MapPropertyAccessor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTProperty.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTStaticField.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTChain.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTThisVarRef.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/PropertyAccessor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ArrayPropertyAccessor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTEval.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/OgnlOps.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTConst.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ObjectMethodAccessor.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/Ognl.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/OgnlContext.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTSelect.java
 * /opt/cola/permits/1243595686_1639650965_0.0.0/ognl-3-1-29-sources-jar/ognl/ASTMap.java

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/* Generated By:JJTree: Do not edit this line. src/java/ognl/ognl.jj */

/*@egen*///
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// THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
// DAMAGE.
//--------------------------------------------------------------------------
/*
* 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*/
}

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) */
    {
        ASTSequence jjtn001 = new ASTSequence(JJTSEQUENCE);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
/*@egen*/ assignmentExpression()/*@bgen(jjtree)*/

}
```java
// assignment expression (level 13)
void assignmentExpression() : {}
{
    conditionalTestExpression() /*@bgen(jjtree) #Assign( 2) */
    
        ASTAssign jjtn001 = new ASTAssign(JJTASSIGN);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
}

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

// logical and (&&) (level 10)
void logicalAndExpression() : {
{
inclusiveOrExpression() ("&amp;" | "and")//@bgen(jjtree) #And(2) */
{
ASTAnd jjtn001 = new ASTAnd(JJTAND);
boolean jjtc001 = true;
jjtree.openNodeScope(jjtn001);
}
try {
//@egen*/ inclusiveOrExpression()//@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*/
)

/*@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*/
)*

} 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);
    }
}
void exclusiveOrExpression() : {}
{

    andExpression() ("^" | "xor")/*@bgen(jjtree) #Xor(2)*/
    {
        ASTXor jjtn001 = new ASTXor(JJTXOR);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }

    try {
        /*@egen*/ 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)*/
    {
        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;
            }

            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*/
}
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);
        }
    )
    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);
        }
    }
}
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;
jtree.openNodeScope(jjtn003);
}
try {
/*@egen*/ shiftExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte003) {
if (jjtc003) {
    jjtree.clearNodeScope(jjtn003);
njtc003 = 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(JTGREATEREQ);
boolean jjtc004 = true;
jtree.openNodeScope(jjtn004);
}
try {
/*@egen*/ shiftExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte004) {
if (jjtc004) {
    jjtree.clearNodeScope(jjtn004);
njtc004 = 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(JJTIN);
    boolean jjtc005 = true;
    jjtree.openNodeScope(jjtn005);
}
try {
    /*@egen*/ 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 {
    shiftExpression();
} 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);
    }
}

// bit shift expressions (level 4)
void shiftExpression() : {} {
    additiveExpression()
    ("<<" | "shl")
    shiftExpression();
}

(additiveExpression() | additiveExpression())
throw (RuntimeException)jjte001;
}
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
}
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
| (">>" | "shr")/*@bgen(jjtree) #ShiftRight(2) */
{
    ASTShiftRight jjtn002 = new ASTShiftRight(JJTSHIFTRIGHT);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
}
try {
    /*@egen*/ additiveExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}

/*@egen*/
| (">>>" | "ushr")/*@bgen(jjtree) #UnsignedShiftRight(2) */
{
    ASTUnsignedShiftRight jjtn003 = new ASTUnsignedShiftRight(JJTUNSIGNEDSHIFTRIGHT);
    boolean jjtc003 = true;
    jjtree.openNodeScope(jjtn003);
try {
/*@egen*/ additiveExpression(/*@bgen(jjtree)*/
} catch (Throwable jjte003) {
    if (jjtc003) {
        jjtree.clearNodeScope(jjtn003);
        jjtc003 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte003 instanceof RuntimeException) {
        throw (RuntimeException)jjte003;
    }
    if (jjte003 instanceof ParseException) {
        throw (ParseException)jjte003;
    }
    throw (Error)jjte003;
} finally {
    if (jjtc003) {
        jjtree.closeNodeScope(jjtn003,  2);
    }
}

//@egen*/
}

// binary addition/subtraction (level 3)
void additiveExpression() : {} {
    multiplicativeExpression() {
        "+//@bgen(jjtree) #Add( 2) */
        {
            ASTAdd jjtn001 = new ASTAdd(JJTADD);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        try {
/*@egen*/ multiplicativeExpression(/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/

"-"/@bgen(jjtree) #Subtract( 2 ) */
{
ASTSubtract jjtn002 = new ASTSubtract(JJTSUBTRACT);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
}
try {
    multiplicativeExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}

/*@egen*/

// multiplication/division/remainder (level 2)
void multiplicativeExpression() : {}
{
unaryExpression()
( "*/"/*@bgen(jjtree) #Multiply( 2) */
  
  ASTMultiply jjtn001 = new ASTMultiply(JJTMULTIPLY);
  boolean jjtc001 = true;
  jjtree.openNodeScope(jjtn001);
}
try {
  @egen*/ unaryExpression()/*@bgen(jjtree)*/
  }
catch (Throwable jjte001) {
    if (jjtc001) {
      jjtree.clearNodeScope(jjtn001);
      jjte001 = 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*/
  |
  
  
  /*@egen*/ unaryExpression()/*@bgen(jjtree)*/
  }
catch (Throwable jjte002) {
    if (jjtc002) {
      jjtree.clearNodeScope(jjtn002);
      jjte002 = false;
    } else {
      jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
      throw (RuntimeException)jjte002;
    }
```java
if (jjte002 instanceof ParseException) {
    throw (ParseException)jjte002;
} else 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 {
    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*/
)*
}

// unary (level 1)
void unaryExpression() : {
    StringBuffer sb;
    Token t;
    ASTInstanceof ionode;
}...
```
```java
{
    (   
        
            "-"/*@bgen(jjtree) #Negate( 1) */
            |
            |
            |
            |
            |
            |
```
if (jjte002 instanceof RuntimeException) {
    throw (RuntimeException)jjte002;
}
if (jjte002 instanceof ParseException) {
    throw (ParseException)jjte002;
} else {
    throw (Error)jjte002;
}
try {
    @egen*/
    |
    ("!" | "not")/*@bgen(jjtree) #Not(1)*/
    |
    {
        ASTNot jjtn003 = new ASTNot(JJTNOT);
        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, 1);
            }
        }
    } finally {
    } 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 {
    } catch (Throwable jjte003) {
        if (jjtc003) {
            jjtree.closeNodeScope(jjtn003, 1);
        }
    }
    |
    navigationChain()
    |
    "instanceof"
    t = <IDENT>/*@bgen(jjtree) #Instanceof(1)*/
    |

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// navigation chain: property references, method calls, projections, selections, etc.
void navigationChain() : {}
{
    primaryExpression()
    ( ".//*@bgen(jitree) #Chain( 2) */
    {
        ASTChain jtn001 = new ASTChain(JJTCOMPONENT);
        boolean jtc001 = true;
        jtree.openNodeScope(jtn001);
    }
    try {
        /* 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(jitree)*/
    } catch (Throwable jjte001) {
        if (jtc001) {
            jtree.clearNodeScope(jtn001);
            jtc001 = false;
        } else {
            jtree.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;
}
/**
 * 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(JJTCONST);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    } try {
       /*@egen*//*@bgen(jjtree)*/
        
            jjtree.closeNodeScope(jjtn001, 0);
            jjtc001 = false;
        } finally {
            if (jjtc001) {
                jjtree.closeNodeScope(jjtn001, 2);
            }
        }
/*@egen*/
try {
    "null" */@bgen(jjtree)*/
} finally {
    if (jjtc004) {
        jjtree.closeNodeScope(jjtn004, 0);
    }
}

// Null is the default value in an ASTConst

LOOKAHEAD(2) "#this" */@bgen(jjtree) #ThisVarRef( 0 ) */
{
    ASTThisVarRef jjtn005 = new ASTThisVarRef(JJTTHISVARREF);
    boolean jjtc005 = true;
    jjtree.openNodeScope(jjtn005);
}
try {

    jjtree.closeNodeScope(jjtn005, 0);
    jjtc005 = false;
}

{ jjtn005.setName( "this" ); } */@bgen(jjtree)*/
} finally {
    if (jjtc005) {
        jjtree.closeNodeScope(jjtn005, 0);
    }
}

LOOKAHEAD(2) "#root" */@bgen(jjtree) #RootVarRef( 0 ) */
{
    ASTRootVarRef jjtn006 = new ASTRootVarRef(JJTROOTVARREF);
    boolean jjtc006 = true;
    jjtree.openNodeScope(jjtn006);
}
try {

    jjtree.closeNodeScope(jjtn006, 0);
    jjtc006 = false;
}

{ jjtn006.setName( "root" ); } */@bgen(jjtree)*/
} finally {
    if (jjtc006) {
        jjtree.closeNodeScope(jjtn006, 0);
    }
}
/*@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) ":" "]" expression() "]="/@@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); 
| }  
| }  
/*@egen*/
| 
| 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() : {} {
    try {
        ASTKeyValue jjtn001 = new ASTKeyValue(JJTKEYVALUE);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    catch (Throw hile 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;
}

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;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 0);
    }
}

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

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

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

{ t=<IDENT> result = new StringBuffer( t.image ); }
( "." t=<IDENT> result.append(\'\').append( t.image );)
void constructorCall() : { /*@bgen(jjtree) Ctor */
    ASTCtor jjtn000 = new ASTCtor(JJTCTOR);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    String className;
    Token t;
    StringBuffer sb;
    }
    /*@bgen(jjtree) Ctor */
    try {
    /*@egen*/
    "new" className=className()
    (  
        LOOKAHEAD(2) ( 
            "(" [ assignmentExpression() ( "." assignmentExpression() )* ] ")"  /*@bgen(jjtree)*/
        { jjtree.closeNodeScope(jjtn000, true);   
        jjtc000 = false;  
        }
        /*@egen*/
        {
        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;
void propertyName()           : /*@bgen(jjtree) Property */
    ASTProperty jjtn000 = new ASTProperty(JJTPROPERTY);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    Token t;
} /*@bgen(jjtree) Property */
    try {
    /*@egen*/
        t=IDENT /*@bgen(jjtree) Const */
            { /*@bgen(jjtree) Const */
                ASTConst jjtn001 = new ASTConst(JJTCNST);
                boolean jjtc001 = true;
                jjtree.openNodeScope(jjtn001);
                }
        try {
        /*@egen*/ { jjtn001.setValue( t.image ); } /*@bgen(jjtree)*/
            } finally {
            if (jjtc001) {
                jjtree.closeNodeScope(jjtn001, true);
            }
            }
    /*@egen*/ /*@bgen(jjtree)*/
    } finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
    }
    /*@egen*/

void staticMethodCall( String className )               : /*@bgen(jjtree) StaticMethod */
    ASTStaticMethod jjtn000 = new ASTStaticMethod(JJTSTATICMETHOD);
    boolean jjtc000 = true;

jjtree.openNodeScope(jjtn000);
/*@egen*/
Token t;
}
/*@bgen(jjtree) StaticMethod */
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(JTDMETHOD);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    try {
        t=<IDENT> "] [ assignmentExpression() ( "," assignmentExpression() )* ] "]="/bgen(jjtree)"
        {

jtree.closeNodeScope(jjtn000, true);
jtc000 = false;
}
/*@egen*/
[ jjtn000.setMethodName( t.image ); ]/*@bgen(jjtree)*/
}
}
*/@egen*/
}

/**
 * Apply an expression to all elements of a collection, creating a new collection
 * as the result.
 */
void projection() {
  /*@bgen(jjtree) Project */
  ASTProject jjtn000 = new ASTProject(JTPROJECT);
  boolean jjtc000 = true;
  jtree.openNodeScope(jjtn000);
  /*@egen*/
  }
  /*@bgen(jjtree) Project */
  try {
    /*@egen*/
    "{" expression() "}"/*@bgen(jjtree)*/
  } catch (Throwable jjte000) {
    if (jjtc000) {
      jtree.clearNodeScope(jjtn000);
      jjtc000 = false;
    } else {
      jtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
      throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
      throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
  } finally {
    if (jjtc000) {
      jtree.closeNodeScope(jjtn000, true);
    }
  }
  /*@egen*/
}
throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@egen*/
}

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() : {/*@bgen(jjtree) Select */
    ASTSelect jjtn000 = new ASTSelect(JJTSELECT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    }
    try {
        @*/@bgen(jjtree) Select */
        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;
            }
```java
/**
 * 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()              : {/*@bgen(jjtree) SelectFirst */
ASTSelectFirst jjtn000 = new ASTSelectFirst(JJTSELECTFIRST);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/
} catch (Throwable jjte000) {
if (jjtc000) {
jjtree.clearNodeScope(jjtn000);
jjtc000 = false;
} else {
jjtree.popNode();
}
if (jjte000 instanceof RuntimeException) {
throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
if (jjtc000) {
jjtree.closeNodeScope(jjtn000, true);
}
}
/*@eigen*/
}

/**
 * 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(JJSELECTLAST);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/}
    /*@bgen(jjtree) SelectLast */
    try {
        /*@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);
            }
        }
        /*@egen*/
    }
    /*@egen*/
}

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

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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: ["$", "A"-"Z", ",", "a"-"z", \u00c0-\u00d6, \u00d8-\u00f6, \"u00c0\"-\"u00d6", \"u00d8\"-\"u00f6"],
"u00f8"-"u00ff",
"u0100"-"u1fff",
"u3040"-"u318f",
"u3300"-"u337f",
"u3400"-"u3d2d",
"u4e00"-"u9fff",
"uf900"-"ufaff"
}

< #DIGIT:
[
  "0"-"9",
  "u0660"-"u0669",
  "u06f0"-"u06f9",
  "u0966"-"u096f",
  "u09e6"-"u09ef",
  "u0a66"-"u0a6f",
  "u0ae6"-"u0aef",
  "u0b66"-"u0b6f",
  "u0be7"-"u0bef",
  "u0c66"-"u0c6f",
  "u0ce6"-"u0ce7",
  "u0d66"-"u0d6f",
  "u0e50"-"u0e59",
  "u0ed0"-"u0ed9",
  "u1040"-"u1049"
] >

} />

/**
 * 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;
    }
  }
}/**

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* 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","\n","\",","\",",",","\",",",","\",")
    | (\"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(); }
|
  < (~["","]]) >
    { charValue = image.charAt( image.length()-1 ); }
}
<WithinBackCharLiteral> TOKEN:
{
< BACK CHAR_LITERAL: ""> 
{ literalValue = new Character( charValue ); } : DEFAULT 

<WithinStringLiteral> MORE: 
{ 
 STRING ESC: <ESC> > 
{ stringBuffer.append( escapeChar() ); } 
| 
 (~[\"\\n\"] ) > 
{ stringBuffer.append( image.charAt(image.length()-1) ); } 
} 

<WithinStringLiteral> TOKEN: 
{ 
 STRING_LITERAL: "" > 
{ literalValue = new String( stringBuffer ); } : DEFAULT 
} 

/** 
* 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 [xX] [0-9a-fA-F]+ ) ([lLhH])? ) > 
{ literalValue = makeInt(); } 
| 
 FLT_LITERAL: ( <DEC_FLT> ( <EXPONENT> )? ( <FLT_SUFF> )? | <DEC_DIGITS> <EXPONENT> ( <FLT_SUFF> )? | <DEC_DIGITS> <FLT_SUFF> ) > 
{ literalValue = makeFloat(); } 
| 
 #DEC_FLT: ([0-9]*\.' | \.' [0-9]* )+ \+? \-? \s\S* \? \? | \d\d+(\d)\d\d+ 
| 
 #DEC_DIGITS: ( [0-9]+ ) 
| 
 #EXPONENT: \+[eE] | \-? \s\S* \? \? | \d\d\d\d+ 
| 
 #FLT_SUFF: [dDfFbB] 
} 

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* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/InappropriateExpressionException.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/EnumerationIterator.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/EnumerationPropertyAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTEq.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTNegate.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ArrayElementsAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/DynamicSubscript.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTNotEq.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ObjectArrayPool.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/IntHashMap.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/CollectionElementsAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ElementsAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/IteratorElementsAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/IteratorPropertyAccessor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ObjectIndexedPropertyDescriptor.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/EvaluationPool.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/MethodFailedException.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTLess.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTTest.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ExpressionSyntaxException.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTBitOr.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTAnd.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/NumericTypes.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTInstanceof.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTNotIn.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ClassResolver.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/DefaultClassResolver.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/ASTKeyValue.java
* /opt/cola/permits/1243595686_1639650965.04/0/ognl-3-1-29-sources-jar/ognl/OgnlException.java
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/*
 * 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;

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

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() : {
    inclusiveOrExpression() (("&&" | "and") inclusiveOrExpression() #And(2) )* 
}

// 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)
    |
    (">=" | "gte") shiftExpression() #GreaterEq(2)
    |
    "in" shiftExpression() #In(2)
    |
    "not" "in" shiftExpression() #NotIn(2)*
}

// 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() )* ] ")"  
{  
jjtThis.setClassName(className);
}  
)  
|  
LOOKAHEAD(2)  
"[" "]" 
"{" [assignmentExpression() ( "," assignmentExpression())*] #List "}"  
{  
jjtThis.setClassName(className);
  jjtThis.setArray(true);
}
void propertyName() #Property : {
    Token t;
}

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 : {}

void selection() : {}

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;
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 );

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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",  
    "u0041"-"u005a",  
    "u005f",  
    "u0061"-"u007a",  
    "u00c0"-"u00d6",  
    "u00d8"-"u00f6",  
    "u00f8"-"u00ff",  
    "u0100"-"u1fff",  
    "u3040"-"u318f",  
    "u3300"-"u33ff",  
    "u3400"-"u3d2d",  
    "u4e00"-"u9fff",  


"\u9900"-"\uaff"
] >
|
< #DIGIT:
[
 "\u0030"-"\u0039",
 "\u0660"-"\u0669",
 "\u06f0"-"\u06f9",
 "\u0966"-"\u096f",
 "\u09e6"-"\u09ef",
 "\u0a66"-"\u0a6f",
 "\u0ae6"-"\u0aef",
 "\u0b66"-"\u0b6f",
 "\u0be7"-"\u0bef",
 "\u0c66"-"\u0c6f",
 "\u0c6e"-"\u0cef",
 "\u0d66"-"\u0d6f",
 "\u0ed0"-"\u0ed9",
 "\u1040"-"\u1049"
] >
}

/**
 * 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
}
< STRING_ESC: <ESC> >
   { stringBuffer.append( escapeChar() ); }
 |
< (~["\"","\"] ) >
   { stringBuffer.append( image.charAt(image.length()-1) ); }
}

<WithinStringLiteral> TOKEN:
{
<STRING_LITERAL: "">
   { literalValue = new String( stringBuffer ); }
   : DEFAULT
}
/**
 * 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" ["x","X"] ( ["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> ) )
   >
   { literalValue = makeFloat(); }
 |
< #DEC_FLT: ( ["0"-"9"] )+ ." " ( ["0"-"9"] )* | "." ( ["0"-"9"] )+ >
 |
< #DEC_DIGITS: ( ["0"-"9"] )+ >
 |
< #EXPONENT: ["e","E"] ( ["+","-" ] )? ( ["0"-"9"] )+ >
 |
< #FLT_SUFF: ["d","D","f","F","b","B"] >
}

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* /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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jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
* /opt/cola/permits/1258059321_1643027236.38/0/netty-resolver-dns-4-1-33-final-sources-
jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
1.88 kerberos 1.15.1 37.el7_6

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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Found in path(s):
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     jar/org/ehcache/spi/copy/package-info.java
   * /opt/cola/permits/1332726743_1653392591.0502896/0/ehcache-api-3-9-3-sources-1-
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1.95 bcel 2.7.1

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---
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loginrec.h
atomicio.h
atomicio.c

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* More information about curve25519 can be found here
* http://cr.yp.to/edh.html
* djb's sample implementation of curve25519 is written in a special assembly
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* 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
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1.106 curl 7.29.0-59.el7_9.1

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

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krb4

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1.107 libyaml 0.1.4

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1.108 netty-transport-native-epoll 4.1.33.Final

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/./opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
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 * Set the @code TCP_MD5SIG option on the socket. See @code linux/tcp.h for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the @code TCP_QUICKACK option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
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 */

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/./opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
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 * Allowing them being read would mean anyone with access to the channel could get them.
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* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-jar/io/netty/channel(epoll/EpollServerSocketChannelConfig.java

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* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-jar/io/netty/channel(epoll/EpollEventLoop.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/Epoll.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/EpollTcpInfo.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/package-info.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4-1-33-final-sources-
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  jar/io/netty/channel/epoll/EpollMode.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollEventArray.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
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* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
  jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/cola/permits/1258059187_1643027227.3/0/netty-transport-native-epoll-4.1.33-final-sources-
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1.117 bctls-fips 1.0.12.3  
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public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");  

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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/cors/reactive/CorsProcessor.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/context/support/StaticWebApplicationContext.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/ServletRequestUtils.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/multipart/MultipartWriterSupport.java

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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/filter/DelegatingFilterProxy.java

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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/converter/protobuf/ProtobufJsonFormatHttpMessageConverter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/context/request/async/DeferredResult.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/server/MethodNotAllowedException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/accept/ContentNegotiationManager.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/HttpComponentsHeadersAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/client/reactive/HttpComponentsClientHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/converter/json/MappingJackson2HttpMessageConverter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/DefaultRequestPath.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/DelegatingServerHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/WebDataBinder.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/AbstractClientHttpRequest.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/web/util/pattern/PathPatternParser.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/web/cors/reactive/UrlBasedCorsConfigurationSource.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/reactive/ReactorClientHttpRequest.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/reactive/ReactorClientHttpConnector.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/reactive/ReactorResourceFactory.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/support/InterceptingHttpAccessor.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/server/reactive/TomcatHttpHandlerAdapter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/server/reactive/ServerHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/reactive/ServerHttpRequest.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/client/reactive/ServerHttpResponse.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/server/MediaTypeNotSupportedException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/server/MediaTypeNotSupportedStatusException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/converters/json/JsonMessageConverter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources.jar/spring-framework/http/converters/json/AbstractJsonHttpMessageConverter.java
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/a2l
# No license file was found, but licenses were detected in source scan.
# application/prs.hpub+zip
# application/prs.nprend
# application/prs.plucker
# application/prs.rdf-xml-crypt
# application/prs.xsf+xml
application/pskc+xml pskcxm
# application/qsig
# application/raptorfec
# application/rdapi+json
application/rdf+xml rdf
application/reginfo+xml rinfo
application/relax-ng-compact-syntax rnc
# application/remote-printing
# application/reputon+json
application/resource-lists+xml rml
application/resource-lists-diff+xml rld
# application/rfc+xml
# application/riscos
# application/rlmi+xml
application/rls-services+xml rmlrs
application/rpki-ghostbusters gbr
application/rpki-manifest mft
application/rpki-roa roa
# application/rpki-updown
application/rsd+xml rsd
application/rss+xml rrss
application/rtf rtf
# application/rtloopback
# application/rtxml
# application/samlassertion+xml
# application/samlmetadata+xml
application/sbml+xml sbml
# application/scim+json
application/scvp-cv-request scvq
application/scvp-cv-responses cs
application/scvp-vp-request spq
application/scvp-vp-responses pp
application/sdp sdp
# application/sep+xml
# application/sep-exi
# application/session-info
# application/set-payment
application/set-payment-initiation setpay
# application/set-registration
application/set-registration-initiation setreg
# application/sgml
# application/sgml-open-catalog
# application/vnd.ms-wmdrm.lic-chlg-req
# application/vnd.ms-wmdrm.lic-resp
# application/vnd.ms-wmdrm.meter-chlg-req
# application/vnd.ms-wmdrm.meter-resp
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application/vnd.ms-xpsdocument
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application/vnd.mseq
# application/vnd.msign
# application/vnd.multiad.creator
# application/vnd.multiad.creator.cif
# application/vnd.music-niff
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application/vnd.muvee.style
application/vnd.mynctaglet
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# application/vnd.ncd.reference
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application/vnd.noblenet-sealer
application/vnd.noblenet-web
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# audio/3gpp
# audio/3gpp2
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# audio/atrac3
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# video/vnd.iptvforum.2dparityfec-2005
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org.springframework.web.server.adapter.WebHttpHandlerBuilder$SpringWebBlockHoundIntegration

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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/web/method/annotation/AbstractNamedValueMethodArgumentResolver.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/http/codec/json/Jackson2SmileEncoder.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/http/codec/xml/Jaxb2XmlEncoder.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/http/bind/annotation/CookieValue.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/http/MediaTypeFactory.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-java/springframework/http/server/reactive/ReactorServerHttpRequest.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/multipart/MultipartFileResource.java
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* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/support/ClientDefaultCodecsImpl.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/ResponseStatusException.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/converter/json/AbstractJackson2HttpMessageConverter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/server/reactive/ServerHttpResponseDecorator.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/util/pattern/WildcardPathElement.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/http/codec/HttpMessageWriter.java
* /opt/cola/permits/1228485964_1637062531.69/0/spring-web-5-3-13-sources-jar/org/springframework/web/bind/annotation/CrossOrigin.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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 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Msg.java,v 1.12.2.2
2004/11/11 15:32:03 niallp Exp $
 * $Revision: 1.12.2.2 $
 * $Date: 2004/11/11 15:32:03 $
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jar/org/apache/commons/validator(Msg.java

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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/GenericValidator.java,v
1.29 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.29 $
 * $Date: 2004/02/21 17:10:29 $
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  jar/org/apache/commons/validator/GenericValidator.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Field.java,v 1.31.2.3
 * 2004/11/11 15:32:03 niallp Exp $
 * $Revision: 1.31.2.3 $
 * $Date: 2004/11/11 15:32:03 $
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  jar/org/apache/commons/validator/Field.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Arg.java,v 1.17
 * 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.17 $
 * $Date: 2004/02/21 17:10:29 $
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/ opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
jar/org/apache/commons/validator/Arg.java

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 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/util/Flags.java,v 1.8
2004/02/21 17:10:30 rleland Exp $
 * $Revision: 1.8 $
 * $Date: 2004/02/21 17:10:30 $
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jar/org/apache/commons/validator/util/Flags.java

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/
jar/org/apache/commons/validator/Form.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorResult.java,v
1.11 2004/02/21 17:10:29 rleland Exp $
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Attic/Constant.java,v
1.10 2004/02/21 17:10:29 rleland Exp $
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jar/org/apache/commons/validator/GenericTypeValidator.java
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/
* $Header: /home/cvs/jakarta-
commons/validator/src/share/org/apache/commons/validator/ValidatorException.java,v 1.8 2004/02/21 17:10:29
rleland Exp $  
* $Revision: 1.8 $  
* $Date: 2004/02/21 17:10:29 $  
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jar/org/apache/commons/validator/ValidatorException.java
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/
* $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorResults.java,v
1.10 2004/02/21 17:10:29 rleland Exp $  
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  jar/org/apache/commons/validator/ValidatorResults.java

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/ * 
* $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Validator.java,v 1.34
  2004/02/21 17:10:29 rleland Exp $ * 
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  jar/org/apache/commons/validator/Validator.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorAction.java,v
 * 1.20.2.1 2004/04/13 05:49:22 rleland Exp $
 * $Revision: 1.20.2.1 $
 * $Date: 2004/04/13 05:49:22 $
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Attic/ValidatorUtil.java,v
 * 1.14.2.1 2004/06/22 02:24:38 husted Exp $
 * $Revision: 1.14.2.1 $
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* $Revision: 1.30.2.2 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/ValidatorResources.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/DateValidator.java,v 1.6 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.6 $

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/ opt/ cola/ permits/ 1136489657_ 1613774410. 05/ 0/ commons- validator- 1- 1- 4- sources- 3- jar/ org/ apache/ commons/ validator/ DateValidator. java

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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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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
  jar/org/apache/commons/validator/Var.java
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1.128 jersey 1.19

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

1.132 glib 2.56.1 5.el7
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1.133 ntp 4.2.6p5-29.el7_8.2

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3. [3] Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8] Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and isosignal code into separate modules.
8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12] Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13] Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15] Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16] Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21] Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22] Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23] Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24] Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25] Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26] Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or ntpsweep
Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
Frank Kardel <kardel@ntp.org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
Dave Katz <dkatz@cisco.com> RS/6000 AIX port
Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
George Lindholm <lindholm@ucsd.edu> SunOS 5.1 port
Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
Wolfgang Moeller <moeller@gwdg.de> VMS port
Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
Derek Mulcahy <derek@toybox.demon.co.uk> and Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
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monitoring/trap scripts, statistics file handling
Dirce Richards <drice@z3k3.dec.com> Digital UNIX V4.0 port
Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
Ray Schnitzler <schnitz@unipress.com> Unixware1 port
Michael Shields <shields@tembel.org> USNO clock driver
Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
Harlan Stenn <harlan@pfcs.com> GNU automate/autoconfig makeover, various other bits (see the ChangeLog)
Kenneth Stone <ken@sdh.hp.com> HP-UX port
Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
Tomoki Tsuruoka <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
Loganaden Velvindron <loganaden@gmail.com> Sandboxing
(libseccomp) support
58. [62] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References
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Encodes and decodes to and from Base64 notation.

Homepage: http://iharder.net/base64

Example:

```java
String encoded = Base64.encode( myByteArray );
byte[] myByteArray = Base64.decode( encoded );
```

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, and encoding using the URL-safe and Ordered
dialects.
Note, according to RFC3548, 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 `@link #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 `@link #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.</li>
* <li>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>
* <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>
* <li>v2.3 - <strong>This is not a drop-in replacement!</strong> 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>
* <li><em>Does not break lines, by default.</em> This is to keep in compliance with <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a></li>
* <li><em>Throws exceptions instead of returning null values.</em> 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.IOExceptions 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.</li>
* <li><em>Removed all references to System.out, System.err, and the like.</em> Shame on me. All I can say is sorry they were ever there.</li>
* <li><em>Throws NullPointerExceptions and IllegalArgumentExceptions</em> as needed such as when passed arrays are null or
* offsets are invalid.</li>
* <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before people who
* were thorough in their own projects and then had gobs of javadoc warnings on this file.</li>
* <ol>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~<lt; 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to
* support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
* The default is RFC3548 format.
* Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in
* 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
* 
* Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new
* Base64 dialects.
* 
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and
* writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code
* now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are
* cleaner. You'll probably have to change some method calls that you were making to support the new options format.
* Add the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed
* base64 data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream 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.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not
* completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
* 
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* with plenty of well-wishing instead! Please visit http://iharder.net/base64/ for updates or to contribute improvements.
* @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/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/server/handlers/accesslog/LogFileHeaderGenerator.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/predicate/PathMatchPredicate.java
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* /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/server/session/SessionListener.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/BasicSSLSessionInfo.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/HostTable.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/PredicateContextHandler.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/server/handlers/ResponseCodeHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/websockets/WebSocketProtocolHandshakeHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/websockets/core/protocol/version07/Hybi07Handshake.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/mod_cluster/ModClusterProxyTarget.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/NodePingUtil.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ConnectionPoolErrorHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ProxyConnectionPoolConfig.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/VirtualHost.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterContainer.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPConfig.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/Node.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterContainer.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPHandler.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow-core-2-2-12-final-sources-
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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.
 *
 * @param exchange - The { @link HttpServerExchange} for the request being processed.
/**
 * @return true if the request is 'sufficiently' confidential, false otherwise.
 */
/**
 * 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.
 */
/**
 * 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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 */

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 */

/**
 * Returns an array containing all of the elements in this deque, in
 * proper sequence (from first to last element).
 */
* 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.
* 
* This method acts as bridge between array-based and collection-based
* APIs.
* 
* @return an array containing all of the elements in this deque
*/

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* /opt/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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  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>
*/

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* /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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jar/io/undertow/protocols/ssl/MechanismDatabase.properties
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#
io.undertow.protocols.ssl.SNIAlpnEngineManager
io.undertow.protocols.alpn.DefaultAlpnEngineManager
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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.OpenSSLApnProvider

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.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/SNISSLContext.java
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* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/protocols/ssl/SNISSLContextSpi.java
* /opt/cola/permits/1332726855_1653392661.3684692/0/undertow/protocols/ssl/SNIContextMatcher.java
1.138 slf4j 1.6.1

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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
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jar/com/mastfrog/jackson/LocaleJacksonConfigurer.java
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* /opt/ws_local/PERMITS_SQL/1078161956_1597262845.11/0/jackson-2-6-7-sources-1-
  jar/com/mastfrog/jackson/OptionalJavaUtilSerializer.java

1.145 jcommander 1.48

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jar/com/beust/jcommander/converters/ISO8601DateConverter.java
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jar/com/beust/jcommander/converters/PathConverter.java
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jar/com/beust/jcommander/converters/ParametersDelegate.java
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jar/com/beust/jcommander/JCommander.java
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jar/com/beust/jcommander/converters/StringConverter.java
* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
jar/com/beust/jcommander/converters/LongConverter.java
* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
jar/com/beust/jcommander/converters/FloatConverter.java
* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
jar/com/beust/jcommander/internal/Lists.java
* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
jar/com/beust/jcommander/ParameterDescription.java
* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
jar/com/beust/jcommander/converters/NoConverter.java
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1.146 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 __dir__config
#define __dir__config
/************************** System dependant compilation flags **************/
/
/* POSIXThis system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

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

/*
 * VFORKThis 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 causeSGI'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

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

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

/**************************** local defines ***************************/
1.147 oro 2.0.7

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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
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with the Jakarta project as a whole.

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Mark Murphy <markm at tyrell.com> has contributed performance
improvements to Perl5Substitution as well as adding support for
\UuLlE 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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Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

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

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

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

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

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

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

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

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

Apache

The following artifacts are ASL2 licensed.

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.158 forgerock-guava-math 18.0.4
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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)
1.165 nspr 4.32
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/AbstractProcessTask.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/MethodFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ClassEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/LazyLoader.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/proxy/ProxyRefDispatcher.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/transform/impl/UndeclaredThrowablesTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/core/Coreizer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/transform/AbstractClassTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/reflect/FastConstructor.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/proxy/MixinBeanEmitter.java
* /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/beans/BeanGenerator.java
* /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/transform/FieldVisitorTee.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/core/Constants.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/core/ProcessArrayCallback.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources.jar/net/sf/cglib/core/ClassGenerator.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/UndeclaredThrowableException.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
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net.sf/cglib/transform/impl/AbstractInterceptFieldCallback.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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1.174 paramiko 2.1.1-9.el7

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<H2 CLASS="title"><A NAME="LGPL">GNU LIBRARY GENERAL PUBLIC LICENSE</A></H2>

<P>Version 2, June 1991

<pre>
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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.]
</PRE>

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<OL TYPE="a">

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<P>

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<P>
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<P>
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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

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

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

That's all there is to it!

1.186 slf4j-log4j 1.7.2
1.186.1 Available under license:

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1.187 axis2-adb 1.4
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1.191 policycoreutils 2.5-33.el7

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  jar/jersey/repackaged/com/google/common/base/FunctionalEquivalence.java

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  jar/jersey/repackaged/com/google/common/collect/ImmutableRangeSet.java
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  jar/jersey/repackaged/com/google/common/collect/ImmutableRangeMap.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/Atomics.java
  */opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
jar/jersey/repackaged/com/google/common/net/package-info.java
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 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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jar/jersey/repackaged/com/google/common/collect/EmptyImmutableMultiset.java

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  jar/jersey/repackaged/com/google/common/util/MathPreconditions.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
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*/
/
/*
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you. You must make sure that they, too, receive or can get the source
code. If you link a program with the library, you must provide
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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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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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Version 3, 29 June 2007

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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:

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

The test programs in this directory tree are for demonstrating and testing the functionality of the SDL library, and are placed in the public domain.

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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Preamble

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

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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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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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,
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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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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* /opt/cola/permits/1277988884_1645786636.38/0/opensaml-xmlsec-api-3-4-6-sources-jar/org/opensaml/xmlsec/algorithm/BlockEncryptionAlgorithm.java
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  jar/org/apache/commons/digester/SetPropertiesRule.java
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  jar/org/apache/commons/digester/plugins/PluginContext.java
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jar/org/apache/commons/digester/SetNestedPropertiesRule.java
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  jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltResource.java
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1.228 cryptography 1.7.2-2.el7

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1.235 libogg 1.3.0-7.el7

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  jar/io/netty/channel/socket/nio/NioDatagramChannel.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
  jar/io/netty/channel/oio/OioEventLoopGroup.java
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  jar/io/netty/channel/package-info.java
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  jar/io/netty/channel/DefaultFileRegion.java
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  jar/io/netty/channel/Channel.java
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  jar/io/netty/bootstrap/ServerBootstrap.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
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  jar/io/netty/channel/ChannelHandlerContext.java
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/CompleteChannelFuture.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
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jar/io/netty/channel/group/DefaultChannelGroup.java
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* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/SelectStrategy.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.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.
* </p>
*<h3>State management</h3>
*<p>
* A [@link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
*<pre>
* public interface Message {

* // your methods here
* }
*
* public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
*
*     private boolean loggedIn;
*
*     @Override
*     public void channelRead0(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();
*             }
*         }
*     }
*
*     ...  
* }
*
* }  
* </pre>

* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See ChannelInitializer#initChannel(Channel).
* public class DataServerInitializer extends ChannelInitializer<Channel> {
*     @Override
*     public void initChannel(Channel channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </pre>
*
* <h4>Using AttributeKeys</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 AttributeKeys which is provided by
* ChannelHandlerContext:
* <pre>
* // your methods here
* [code @Sharable]
* public class DataServerHandler extends [link SimpleChannelInboundHandler]&lt;Message&gt; {  
*     private final [link AttributeKey]&lt;[link Boolean]&gt; auth =  
*         [link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")];  
* }
* [code @Override]
* public void channelRead([link ChannelHandlerContext] ctx, Message message) {  
*         [link Attribute]&lt;[link Boolean]&gt; attr = ctx.attr(auth);  
*         if (message instanceof LoginMessage) {  
*             authenticate((LoginMessage) o);  
*             attr.set(true);  
*         } else (message instanceof GetDataMessage) {  
*             if (Boolean.TRUE.equals(attr.get())) {  
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));  
*             } else {  
*                 fail();  
*             }  
*         }  
*     }
* ...
* }  
* &lt;/pre&gt;
* Now that the state of the handler is attached to the [link ChannelHandlerContext], you can add the
* same handler instance to different pipelines:
* &lt;/pre&gt;
* public class DataServerInitializer extends [link ChannelInitializer]&lt;[link Channel]&gt; {  
*     private static final DataServerHandler &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();  
*     [code @Override]
*     public void initChannel([link Channel] channel) {  
*         channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);  
*     }  
* }  
* &lt;/pre&gt;
*  
* &lt;h4&gt;The [code @Sharable] annotation&lt;/h4&gt;
* &lt;p&gt;
* In the example above which used an [link AttributeKey],
* you might have noticed the [code @Sharable] annotation.
* &lt;p&gt;
* If a [link ChannelHandler] is annotated with the [code @Sharable]
* annotation, it means you can create an instance of the handler just once and
* add it to one or more [link ChannelPipeline]s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <p>
* Additional resources worth reading

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.
*/

Found in path(s):
*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/ChannelHandler.java

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*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/pool/AbstractChannelPoolMap.java
*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/pool/SimpleChannelPool.java
*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/pool/ChannelPoolHandler.java
*/opt/cola/permits/1258059269_1643027241.06/0/netty-transport-4-1-33-final-sources-
jar/io/netty/channel/pool/ChannelPool.java
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1.249 redisson-all 2.15.2
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# Jackson JSON processor

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

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

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

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/**
 * Basic interface for SAX error handlers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
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 * </blockquote>
 *
 * If a SAX application needs to implement customized error
 * handling, it must implement this interface and then register an
 * instance with the XML reader using the
 * {@link org.xml.sax.XMLReader#setErrorHandler setErrorHandler}
 * method. The parser will then report all errors and warnings
 * through this interface.
 *
 * WARNING: If an application does not register an ErrorHandler, XML parsing errors will go unreported
 * and bizarre behaviour may result.
 *
 * For XML processing errors, a SAX driver must use this interface
 * instead of throwing an exception: it is up to the application
 * to decide whether to throw an exception for different types of
 * errors and warnings. Note, however, that there is no requirement that
 * the parser continue to provide useful information after a call to
 * {@link #fatalError fatalError} (in other words, a SAX driver class
 * could catch an exception and report a fatalError).
 *
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Parser#setErrorHandler
 * @see org.xml.sax.SAXParseException
 */

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

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/**
 * Interface for a list of XML attributes.
 *
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This interface allows access to a list of attributes in three different ways:

1. by attribute index;
2. by Namespace-qualified name; or
3. by qualified (prefixed) name.

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 false, access by Namespace-qualified names may not be available.

This interface replaces the now-deprecated SAX1 AttributeList interface, which does not contain Namespace support. In addition to Namespace support, it adds the getIndex methods (below).

The order of attributes in the list is unspecified, and will vary from implementation to implementation.

@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

Default implementation for AttributeList.
* <blockquote>
* This module, both source code and documentation, is in the Public Domain, and comes with *NO WARRANTY*.<br/>
* </blockquote>
* <p>AttributeList implements the deprecated SAX1 {@link org.xml.sax.AttributeList AttributeList} interface, and has been replaced by the new SAX2 {@link org.xml.sax.helpers.AttributesImpl AttributesImpl} interface.</p>
* <p>This class provides a convenience implementation of the SAX {@link org.xml.sax.AttributeList AttributeList} interface. This implementation is useful both for SAX parser writers, who can use it to provide attributes to the application, and for SAX application writers, who can use it to create a persistent copy of an element's attribute specifications.</p>
* <pre>
private AttributeList myatts;
*
public void startElement (String name, AttributeList atts)
{  
    // create a persistent copy of the attribute list
    // for use outside this method
    myatts = new AttributeListImpl(atts);
    [...]
}
</pre>
* <p>Please note that SAX parsers are not required to use this class to provide an implementation of AttributeList; it is supplied only as an optional convenience. In particular, parser writers are encouraged to invent more efficient implementations.</p>
* @deprecated This class implements a deprecated interface, {@link org.xml.sax.AttributeList AttributeList}; that interface has been replaced by {@link org.xml.sax.Attributes Attributes}, which is implemented in the {@link org.xml.sax.helpers.AttributesImpl AttributesImpl} helper class. @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.AttributeList
* @see org.xml.sax.DocumentHandler#startElement
// NO WARRANTY! This class is in the Public Domain.
/**
 * Interface for an XML filter.
 *
 * <blockquote>
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 * </blockquote>
 *
 * 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.
 *
 * The XMLFilterImpl helper class provides a convenient base for creating SAX2 filters, by passing on all EntityResolver, DTDHandler, ContentHandler and ErrorHandler events automatically.
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.helpers.XMLFilterImpl
 */

/*
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/xml/sax/XMLFilter.java
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/**
 * Interface for associating a SAX event with a document location.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.</em>
 * </blockquote>
 *
 * 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\} method. The application can use the object to obtain the location of any other content handler event in the XML source document.</p>

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

* <p>SAX parsers are not required to supply a locator, but they are very strongly encouraged to do so. If the parser supplies a locator, it must do so before reporting any other document events. If no locator has been set by the time the application receives the \{@link org.xml.sax.ContentHandler#startDocument\} event, the application should assume that a locator is not available.</p>

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

/**
* Receive notification of basic DTD-related events.
*
* <blockquote>
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* </blockquote>
* <p>If a SAX application needs information about notations and unparsed entities, then the application implements this interface and registers an instance with the SAX parser using the parser's setDTDHandler method. The parser uses the instance to report notation and unparsed entity declarations to the application.</p>
* 
* <p>Note that this interface includes only those DTD events that the XML recommendation <em>requires</em> 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.

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.

@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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  jar/javax/xml/parsers/ConvertToURI.java
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/**
* Default base class for handlers.
*
* <blockquote>
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* </em></blockquote>
*
* <p>This class implements the default behaviour for four SAX1
* interfaces: EntityResolver, DTDHandler, DocumentHandler,
  * and ErrorHandler. It is now obsolete, but is included in SAX2 to
  * support legacy SAX1 applications. SAX2 applications should use
  * the { @link org.xml.sax.helpers.DefaultHandler DefaultHandler}
  * class instead.&lt;/p&gt;
  *
  * &lt;p&gt;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.&lt;/p&gt;
  *
  * &lt;p&gt;Note that the use of this class is optional.&lt;/p&gt;
  *
  * @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,
  *             &lt;a href="mailto:sax@megginson.com">sax@megginson.com</a&gt;
  * @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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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ls/DOMBuilderFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
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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.

* <p> See also the &lt;a href='http://www.w3.org/TR/2002/WD-DOM-Level-3-XPath-20020328'&gt;Document Object
Model (DOM) Level 3 XPath Specification&lt;/a&gt;.

*/

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>
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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);
    [...] 
  }
}
```

(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:

```
public void startElement (String name, AttributeList atts) {
  String identifier = atts.getValue("id");
  String label = atts.getValue("label");
  [...] 
}
```
@deprecated This interface has been replaced by the SAX2
interface, which includes Namespace support.

@since SAX 1.0
@author David Megginson,

<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.DocumentHandler#startElement startElement
@see org.xml.sax.helpers.AttributeListImpl AttributeListImpl

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

/**
 * Receive notification of general document events.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with strong>NO WARRANTY</em></strong>.&lt;/em&gt;
 * </blockquote>
 *
 * This was the main event-handling interface for SAX1; in
 * SAX2, it has been replaced by { @link org.xml.sax.ContentHandler
 * ContentHandler}, which provides Namespace support and reporting
 * of skipped entities.  This interface is included in SAX2 only
 * to support legacy SAX1 applications.</p>
 *
 * The order of events in this interface is very important, and
 * mirrors the order of information in the document itself.  For
 * example, all of an element's content (character data, processing
 * instructions, and/or subelements) will appear, in order, between
 * the startElement event and the corresponding endElement event.</p>
 *
 * Application writers who do not want to implement the entire
 * interface can derive a class from HandlerBase, which implements
 * the default functionality; parser writers can instantiate
 * HandlerBase to obtain a default handler.  The application can find
 * the location of any document event using the Locator interface
 * supplied by the Parser through the setDocumentLocator method.</p>
 *
 * @deprecated This interface has been replaced by the SAX2
 * interface, which includes Namespace support.
 * @since SAX 1.0
 * @author David Megginson,
Factory for creating an XML reader.

This class contains static methods for creating an XML reader
from an explicit class name, or based on runtime defaults:

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

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
**Encapsulate Namespace logic for use by SAX drivers.**

* 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:

```java
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();
```

* 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
Default base class for SAX2 event handlers.

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.

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:

<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.

This class replaces the deprecated SAX1 @link org.xml.sax.HandlerBase HandlerBase class.

// NO WARRANTY! This class is in the public domain.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.EntityResolver
@see org.xml.sax.DTDHandler
@see org.xml.sax.ContentHandler
Found in path(s):
/ /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/DefaultHandler.java
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/**
 * Encapsulate an XML parse error or warning.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This exception will include information for locating the error
 * in the original XML document. Note that although the application
 * will receive a SAXParseException as the argument to the handlers
 * in the [@link org.xml.sax.ErrorHandler ErrorHandler] interface,
 * the application is not actually required to throw the exception;
 * instead, it can simply read the information in it and take a
 * different action.</p>
 *
 * Since this exception is a subclass of [@link org.xml.sax.SAXException
 * SAXException], it inherits the ability to wrap another exception.</p>
 *
 @since SAX 1.0
 @author David Megginson,
  <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 @version 2.0
 @see org.xml.sax.SAXException
 @see org.xml.sax.Locator
 @see org.xml.sax.ErrorHandler
 */

Found in path(s):
/ /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/SAXParseException.java
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/RangeException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CharacterData.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NamedNodeMap.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Text.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/Event.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Notation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/DocumentEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventTarget.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventListener.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/ExceptionEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/TreeWalker.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/MutationEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Comment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/EntityReference.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentFragment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CDATASection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Node.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NodeList.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentType.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Element.java
/**
 * Basic interface for resolving entities.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * 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.
 *
 * 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.
 *
 * 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":
 *
 * 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):
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-api-2-0-2-sources-2-jar/org/xml/sax/HTMLElement.java
 */
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTM"LRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLLabelElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDocument.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableRowElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLSelectElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLMenuElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLInputElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHeadingElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLDirectoryElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableCellElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHeadElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLStyleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOptionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFieldSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFormElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLCollection.java
/**
  * Provide an optional convenience implementation of Locator.
  *
  * <blockquote>
  * <em>This module, both source code and documentation, is in the
  * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
  * </blockquote>
  *
  * This class is available mainly for application writers, who
  * can use it to make a persistent snapshot of a locator at any
  * point during a document parse:
  *
  * <pre>
  * Locator locator;
  * Locator startloc;
  *
  * public void setLocator (Locator locator)
  * {
  *     // note the locator
  *     this.locator = locator;
  * }
  *
  * public void startDocument ()
  * {
  *     // save the location of the start of the document
  *     // for future use.
  *     Locator startloc = new LocatorImpl(locator);
  * }
  *</pre>
  *
  * Normally, parser writers will not use this class, since it
  * is more efficient to provide location information only when
  * requested, rather than constantly updating a Locator object.
  *
  * @since SAX 1.0
  * @author David Megginson,
  *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
  * @version 2.0
/*
* @see org.xml.sax.Locator Locator
*/

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

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

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* /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>
* *
* <p>This class allows a SAX application to encapsulate information
* about an input source in a single object, which may include
* a public identifier, a system identifier, a byte stream (possibly
* with a specified encoding), and/or a character stream.</p>
There are two places that the application will deliver this input source to the parser: as the argument to the Parser.parse method, or as the return value of the EntityResolver.resolveEntity method.

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

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

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

// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 *
 * This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.
 *
 * An XMLReader will throw this exception when it recognizes a feature or property identifier, but cannot perform the requested operation (setting a state or value). Other SAX2 applications and extensions may use this class for similar purposes.
 *
 * @since SAX 2.0
 * @author David Megginson,
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/package.html
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// NO WARRANTY! This class is in the public domain.
/**
 * Adapt a SAX1 Parser as a SAX2 XMLReader.
 * *
 * <blockquote>
 * This module, both source code and documentation, is in the
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.

This adapter does not test for duplicate Namespace-qualified attribute names.

@since SAX 2.0
@since 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.helpers.XMLReaderAdapter
@see org.xml.sax.XMLReader
@see org.xml.sax.Parser
/**
**
* Adapt a SAX1 AttributeList as a SAX2 Attributes object.
*
* This class is in the Public Domain, and comes with NO WARRANTY of any kind.
*
* This wrapper class is used only when Namespace support is disabled -- it provides pretty much a direct mapping from SAX1 to SAX2, except that names and types are interned whenever requested.
*
*/

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.
*
* This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.
*/
* This class provides a default implementation of the SAX2 Attributes interface, with the addition of manipulators so that the list can be modified or reused.

* There are two typical uses of this class:

  * to take a persistent snapshot of an Attributes object in a startElement event; or
  * to construct or modify an Attributes object in a SAX2 driver or filter.

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

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

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

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// NO WARRANTY! This class is in the Public Domain.
/**
* Create a new instance of a class by name.
*
* <blockquote>
* This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.
* </blockquote>
*
* This class contains a static method for creating an instance of a class from an explicit class name. It tries to use the thread's context ClassLoader if possible and falls back to using Class.forName(String). It also takes into account JDK 1.2+'s AccessController mechanism for performing its actions. 
* 
* This code is designed to run on JDK version 1.1 and later and compile
/* on versions of Java 2 and later. */
/*
* @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>
* </blockquote>
* *
* This class can contain basic error or warning information from
* either the XML parser or the application: a parser writer or
* application writer can subclass it to provide additional
* functionality. SAX handlers may throw this exception or
* any exception subclassed from it. */
* *
* If the application needs to pass through other types of
* exceptions, it must wrap those exceptions in a SAXException
* or an exception derived from a SAXException. */
* *
* If the parser or application needs to include information about a
* specific location in an XML document, it should use the
* [@link org.xml.sax.SAXParseException SAXParseException] subclass. */
* *
* @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):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXException.java
No license file was found, but licenses were detected in source scan.

// NO WARRANTY! This class is in the Public Domain.
/**
* Exception class for an unrecognized identifier.
* */
<blockquote>
 This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>.<br/>
</blockquote>

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

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

/*

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* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
* PURPOSE.
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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>MODEASYNCHRONOUS</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>MODEASYNCHRONOUS</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>
*/
* been replaced in SAX2 by \{@link org.xml.sax.XMLReader XMLReader\},
* which includes Namespace support and sophisticated configurability
* and extensibility.</p>
*
* <p>All SAX1 parsers must implement this basic interface: it allows
* applications to register handlers for different types of events
* and to initiate a parse from a URI, or a character stream.</p>
*
* <p>All SAX1 parsers must also implement a zero-argument constructor
* (though other constructors are also allowed).</p>
*
* <p>SAX1 parsers are reusable but not re-entrant: the application
* may reuse a parser object (possibly with a different input source)
* once the first parse has completed successfully, but it may not
* invoke the parse() methods recursively within a parse.</p>
*
* @deprecated This interface has been replaced by the SAX2
*         \{@link org.xml.sax.XMLReader XMLReader\}
*         interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*         <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.DocumentHandler
* @see org.xml.sax.ErrorHandler
* @see org.xml.sax.HandlerBase
* @see org.xml.sax.InputSource
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Parser.java
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// Public Domain: no warranty.
/**
* SAX2 extension handler for DTD declaration events.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* *
* <p>This is an optional extension handler for SAX2 to provide
* information about DTD declarations in an XML document. XML
* readers are not required to support this handler, and this
* handler is not included in the core SAX2 distribution.</p>
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
*/

Java-specific class for dynamically loading SAX parsers.

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.

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.

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.

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/**
 * Java-specific class for dynamically loading SAX parsers.
 * @since 1.0
 * @author David Megginson,
 *  <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 1.0
 * @see org.xml.sax.XMLReader
 */

Java-specific class for dynamically loading SAX parsers.

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.

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.

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.

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* dynamically at run-time based either on the value of the
* "$org.xml.sax.parser" system property or on a string containing the class
* name. </p>
*
* </p>Note that the application still requires an XML parser that
* implements SAX1. </p>
*
* @deprecated This class works with the deprecated
* { @link org.xml.sax.Parser Parser }
* interface.
* @since SAX 1.0
* @author David Megginson
* @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/helpers/ParserFactory.java
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Found in path(s):
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  jar/javax/xml/parsers/FilePathToURI.java
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// NO WARRANTY! This class is in the public domain.
/**
 * Adapt a SAX2 XMLReader as a SAX1 Parser.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * <p>This class wraps a SAX2 @link org.xml.sax.XMLReader XMLReader}
 * and makes it act as a SAX1 @link org.xml.sax.Parser Parser}. The XMLReader
 * must support a true value for the
 * http://xml.org/sax/features/namespace-prefixes property or parsing will fail
 * with a @link org.xml.sax.SAXException SAXException}. if the XMLReader

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 2334
* 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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// NO WARRANTY! This class is in the public domain.
/**
* Receive notification of the logical content of a document.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* *
* 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.</p>
*
* The order of events in this interface is very important, and
* mirrors the order of information in the document itself. For
* example, all of an element's content (character data, processing
* instructions, and/or subelements) will appear, in order, between
* the startElement event and the corresponding endElement event.</p>
*
* This interface is similar to the now-deprecated SAX 1.0
* DocumentHandler interface, but it adds support for Namespaces
* and for reporting skipped entities (in non-validating XML
* processors).</p>
*
* Implementors should note that there is also a Java class
* {ContentHandler [ContentHandler] in the java.net
* package; that means that it's probably a bad idea to do</p>
*
In fact, "import ...*" is usually a sign of sloppy programming anyway, so the user should consider this a feature rather than a bug.</p>

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

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

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Apache

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

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MortBay

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.252 tomcat-servlet-api 9.0.56
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- javae_web_services_1_2.xsd
- javae_web_services_client_1_2.xsd
- javae_6.xsd
- javae_web_services_1_3.xsd
- javae_web_services_client_1_3.xsd
- jsp_2_2.xsd
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- javaee_web_services_1_3.xsd
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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/aopalliance/intercept/Interceptor.java
* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java
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  jar/org/springframework/aop/RawTargetAccess.java

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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources-jar/org/springframework/aop/framework/DefaultIntroductionAdvisor.java
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* /opt/cola/permits/1228485942_1637061177.86/0/spring-aop-5-3-13-sources.jar/org/springframework/aop/aspectj/annotation/NotAnAtAspectException.java
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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 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.)

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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.

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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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a purpose that is entirely well-defined independent of the
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1.267 python-urlgrabber 3.10 10.el7

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**1.268 jackson 2.13.0**

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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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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jws-api
* https://github.com/eclipse-ee4j/jax-ws-api
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1.282 cxf-rt-features-clustering 3.5.0

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1.288 python-chardet 2.2.1 3.el7

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1.289 jackson-xc 2.9.9

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1.292 axis2-fastinfoset 1.7.9

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1.293 diffutils 3.3 5.el7
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/* diff - compare files line by line


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*/

#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <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
static bool binary;
#endif
#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[] =
"0123456789abCc:dD:eElF:hHiIL:nNpQrsStTuU:vwW:x:X:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{
    BINARY_OPTION = CHAR_MAX + 1,
    FROM_FILE_OPTION,
    HELP_OPTION,
    HORIZON_LINES_OPTION,
    IGNORE_FILE_NAME_CASE_OPTION,
    INHIBIT_HUNK_MERGE_OPTION,
    LEFT_COLUMN_OPTION,
    LINE_FORMAT_OPTION,
    NO_DEREFERENCE_OPTION,
    NO_IGNORE_FILE_NAME_CASE_OPTION,
    NORMAL_OPTION,
    SDIFF_MERGE_ASSIST_OPTION,
    STRIP_TRAILING_CR_OPTION,
    SUPPRESS_BLANK_EMPTY_OPTION,
    SUPPRESS_COMMON_LINES_OPTION,
    TABSIZE_OPTION,
    TO_FILE_OPTION,

    /* These options must be in sequence. */
    UNCHANGED_LINE_FORMAT_OPTION,
    OLD_LINE_FORMAT_OPTION,
    NEW_LINE_FORMAT_OPTION,

    /* These options must be in sequence. */
    UNCHANGED_GROUP_FORMAT_OPTION,
    OLD_GROUP_FORMAT_OPTION,
    NEW_GROUP_FORMAT_OPTION,
static char const group_format_option[] = { "--unchanged-group-format", 
  "--old-group-format", 
  "--new-group-format", 
  "--changed-group-format" 
};

static char const line_format_option[] = { 
  "--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' },
/* Return a string containing the command options with which diff was invoked.
   Spaces appear between what were separate ARGV-elements.
   There is a space at the beginning but none at the end.
   If there were no options, the result is an empty string.

   Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT,
   the length of that vector. */

static char *
option_list (char **optionvec, int count)
{
  int i;
  size_t size = 1;
  char *result;
  char *p;

for (i = 0; i < count; i++)
    size += 1 + shell_quote_length (optionvec[i]);

p = result = xmalloc (size);

for (i = 0; i < count; i++)
{
    *p++ = ' ';
    p = shell_quote_copy (p, optionvec[i]);
}

*p = '\0';
return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}

int
main (int argc, char **argv)
{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    int ocontext = -1;
    bool explicit_context = false;
    size_t width = 0;
    bool show_c_function = false;
    char const *from_file = NULL;
    char const *to_file = NULL;
    uintmax_t numval;
    char *numend;

    /* Do our initializations. */
    exit_failure = EXIT_TROUBLE;
    initialize_main (&argc, &argv);
    set_program_name (argv[0]);
    setlocale (LC_ALL, "");
    bindtextdomain (PACKAGE, LOCALEDIR);
    textdomain (PACKAGE);
    c_stack_action (0);
function_regexp_list.buf = &function_regexp;
ignore_regexp_list.buf = &ignore_regexp;
re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
excluded = new_exclude();

/* Decode the options. */

while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
    switch (c)
    {
    case 0:
        break;
    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':
    case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;
    case 'a':
        text = true;
        break;
    case 'b':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space = IGNORE_SPACE_CHANGE;
        break;
    case 'Z':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space |= IGNORE_TRAILING_SPACE;
        break;
    case 'B':
        ignore_blank_lines = true;
        break;
case 'C':
    case 'U':
    {
        if (optarg)
        {
            numval = strtolmax (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\n\n%%<#endif /* ! %s */
%%#ifdef %s
%%>#endif /* %s */
%c#ifndef %s
%%<#else
\n%#s
%%%<#else */ %s */\n%%%<#ifdef %s
%%>#endif /* %s */
%%}
                
            char *b = xmalloc (sizeof C_ifdef_group_formats
                + 7 * strlen (optarg) - 14 /* 7*"%s" */
                - 8 /* 5"%%%" + 3"%c" */);
            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 'f':
specify_style (OUTPUT_FORWARD_ED);
break;

case 'F':
add_regexp (&function_regexp_list, optarg);
break;

case 'h':
/* Split the files into chunks for faster processing.
   Usually does not change the result.

   This currently has no effect. */
break;

case 'H':
speed_large_files = true;
break;

case 'i':
ignore_case = true;
break;

case 'I':
add_regexp (&ignore_regexp_list, optarg);
break;

case 'l':
if (!pr_program[0])
  try_help ("pagination not supported on this host", NULL);
  paginate = true;
#ifdef SIGCHLD
/* Pagination requires forking and waiting, and
System V fork+wait does not work if SIGCHLD is ignored. */
signal (SIGCHLD, SIG_DFL);
#endif
break;

case 'L':
  if (!file_label[0])
    file_label[0] = optarg;
  else if (!file_label[1])
    file_label[1] = optarg;
  else
    fatal ("too many file label options");
  break;

case 'n':
  specify_style (OUTPUT_RCS);
  break;

case 'N':
  new_file = true;
  break;

case 'p':
  show_c_function = true;
  add_regexp (&function_regexp_list, "^[[:alpha:]$_.]");
  break;

case 'P':
  unidirectional_new_file = true;
  break;

case 'q':
  brief = true;
  break;

case 'r':
  recursive = true;
  break;

case 's':
  report_identical_files = true;
  break;

case 'S':
  specify_value (&starting_file, optarg, "-S");
  break;

case 't':
  ...
expand_tabs = true;
break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
            AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
        exclude_options (), 'n'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width '%s'", optarg);
    if (width != numval)
    {
        if (width)
            fatal ("conflicting width options");
        width = numval;
    }
    break;
case BINARY_OPTION:
    #if O_BINARY
        binary = true;
    if (! isatty (STDOUT_FILENO))
        set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ();
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (*numend)
        try_help ("invalid horizon length "%s", optarg);
    horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
    break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
       compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;
case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    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] = "%l\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].
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 "argv[argc - 1]);
      else
        try_help ("extra operand "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);
    }
static void summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified. Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
        {
            /* Compile the disjunction of the regexps. 
             * (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len, 
                    reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
        }
    }
}

static void try_help (char const *reason_msgid, char const *operand)
{
    if (reason_msgid)
        error (0, 0, _(reason_msgid), operand);
    error (EXIT_TROUBLE, 0, "Try '%s --help' for more information.", 
        program_name);
    abort ();
}

static void check_stdout (void)
{
    if (ferror (stdout))
        fatal ("write failed");
    else if (fclose (stdout) != 0)
        pfatal_with_name (_("standard output"));
}

static char const * const option_help_msgid[] = {
    N_("    --normal                  output a normal diff (the default)"),
    N_("-q, --brief                   report only when files differ"),
    N_("-s, --report-identical-files  report when two files are the same"),
    N_("-c, -C NUM, --context[NUM]   output NUM (default 3) lines of copied context"),
};
N_("-u, -U NUM, --unified[NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed output an ed script"),
N_("-n, --rcs output an RCS format diff"),
N_("-y, --side-by-side output in two columns"),
N_("-W, --width=NUM output at most NUM (default 130) print columns"),
N_("--left-column output only the left column of common lines"),
N_("--suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),
N_("--label LABEL use LABEL instead of file name\n" (can be repeated)"),
"",
N_("-t, --expand-tabs expand tabs to spaces in output"),
N_("-T, --initial-tab make tabs line up by prepending a tab"),
N_("--tabsize=NUM tab stops every NUM (default 8) print columns"),
N_("--suppress-blank-empty suppress space or tab before empty output lines"),
N_("-l, --paginate pass output through 'pr' to paginate it"),
"",
N_("-r, --recursive recursively compare any subdirectories found"),
N_("--no-dereference don't follow symbolic links"),
N_("-N, --new-file treat absent files as empty"),
N_("--unidirectional-new-file treat absent first files as empty"),
N_("--ignore-file-name-case ignore case when comparing file names"),
N_("--no-ignore-file-name-case consider case when comparing file names"),
N_("-x, --exclude=PAT exclude files that match PAT"),
N_("-X, --exclude-from=FILE exclude files that match any pattern in FILE"),
N_("--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 of diff, generalizing -D/--ifdef.
  
  LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'.
  
  GFMT (only) may contain:
  
  %<  lines from FILE1
  %>  lines from FILE2
  %=  lines common to FILE1 and FILE2
  
  [-][WIDTH][.[PREC]][(doxX)]LETTER  printf-style spec for LETTER
  LETTERs are as follows for new group, lower case for old group:
  
  F  first line number
  L  last line number
  N  number of lines = L-F+1
  E  F-1
  M  L+1
  
  %(%A=B?T:E)  if A equals B then T else E"),
N_("LFMT (only) may contain:
  
  %L  contents of line
  %l  contents of line, excluding any trailing newline
  
  [-][WIDTH][.[PREC]][(doxX)]n  printf-style spec for input line number
  
  Both GFMT and LFMT may contain:
  
  %%  %
  %c'C'  the single character C
  %c'\OOO'  the character with octal code OOO
  C  the character C (other characters represent themselves)"),

"---
N_("-d, --minimal  try hard to find a smaller set of changes"),
N_("--horizon-lines=NUM  keep NUM lines of the common prefix and suffix"),
N_("--speed-large-files  assume large files and many scattered small changes"),

"---
N_("--help  display this help and exit"),
N_("--version  output version information and exit"),

"---
N_("FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'."),
N_("If --from-file or --to-file is given, there are no restrictions on FILE(s)."),
N_("If a FILE is '-', read standard input."),
N_("Exit status is 0 if inputs are the same, 1 if different, 2 if trouble."),
0
}:

static void
usage (void)
{
  char const * const *p;

  printf (_("Usage: %s [OPTION]... FILES"), program_name);
printf ("%s\n", _("Compare FILES line by line.");)

fputs (_("\Mandatory arguments to long options are mandatory for short options too.\n "), stdout);

for (p = option_help_msgid; *p; p++)
{
    if (*p)
        putchar (\n);
    else
    {
        char const *msg = _(*p);
        char const *nl;
        while ((nl = strchr (msg, \n')))
        {
            int msglen = nl + 1 - msg;
            printf (" %.*s", msglen, msg);
            msg = nl + 1;
        }
        printf (" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
    }
}
emit_bug_reporting_address ();

/* Set VAR to VALUE, reporting an OPTION error if this is a
conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
    if (*var && ! STREQ (*var, value))
    {
        error (0, 0, _("conflicting %s option value "%s"), option, value);
        try_help (NULL, NULL);
    }
    *var = value;
}

/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
    if (output_style != style)
    {
        if (output_style != OUTPUT_UNSPECIFIED)
            try_help ("conflicting output style options", NULL);
        try_help ("conflicting output style options", NULL);
    }
}
/* 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;
else
    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);
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);
                }
            }
        }
        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

POSIX 1003.1-2001 requires current time for stdin. */
set_mtime_to_now (&cmp.file[f].stat);
}
for (f = 0; f < 2; f++)
    if ((new_file || (f == 0 && unidirectional_new_file))
        && (cmp.file[f].desc == UNOPENED
            ? (S_ISREG (cmp.file[f].stat.st_mode)
                && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
                && cmp.file[f].stat.st_size == 0)
                : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT))
                    || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
                && ! parent
                && (cmp.file[1 - f].desc == UNOPENED
                    || cmp.file[1 - f].desc == STDIN_FILENO)))
        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)
{
perror_with_name (filename);
status = EXIT_TROUBLE;
}

if (status != EXIT_SUCCESS)
{
  /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
 && cmp.file[1].desc == NONEXISTENT)
{
  /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
 = (cmp.file[0].desc != NONEXISTENT
 && cmp.file[1].desc != NONEXISTENT
 && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
 && same_file_attributes (&cmp.file[0].stat,
 &cmp.file[1].stat))
 && no_diff_means_no_output)
{
  /* The two named files are actually the same physical file. 
 We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
  if (output_style == 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\n", 
            cmp.file[0].name, cmp.file[1].name);
  }
  else
    status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
  || (parent
       && !((S_ISREG (cmp.file[0].stat.st_mode)
           || S_ISLNK (cmp.file[0].stat.st_mode))
       && (S_ISREG (cmp.file[1].stat.st_mode)
           || S_ISLNK (cmp.file[1].stat.st_mode)))))
  {
    if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
      {
        /* 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
", 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
", file_label[0] ? file_label[0] : cmp.file[0].name,
           file_type (&cmp.file[0].stat),
           file_type (&cmp.file[1].stat));

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

  
  else if (S_ISLNK (cmp.file[0].stat.st_mode)
       || S_ISLNK (cmp.file[1].stat.st_mode))
/** We get here only if we use lstat(), not stat. */
assert (no_dereference_symlinks);

if (S_ISLNK (cmp.file[0].stat.st_mode)
&& S_ISLNK (cmp.file[1].stat.st_mode))
{
  /* Compare the values of the symbolic links. */
  char *link_value[2] = { NULL, NULL };

  for (f = 0; f < 2; f++)
  {
    link_value[f] = xreadlink (cmp.file[f].name);
    if (link_value[f] == NULL)
    {
      perror_with_name (cmp.file[f].name);
      status = EXIT_TROUBLE;
      break;
    }
  }
  if (status == EXIT_SUCCESS)
  {
    if ( ! STREQ (link_value[0], link_value[1]))
    {
      message ("Symbolic links %s and %s differ\n",
               cmp.file[0].name, cmp.file[1].name);
      /* This is a difference. */
      status = EXIT_FAILURE;
    }
  }
  for (f = 0; f < 2; f++)
    free (link_value[f]);
  else

  /* We have two files that are not to be compared, because
   one of them is a symbolic link and the other one is not. */

  message5 ("File %s is a %s while file %s is a %s\n",
            file_label[0] ? file_label[0] : cmp.file[0].name,
            file_type (&cmp.file[0].stat),
            file_type (&cmp.file[1].stat));

  /* This is a difference. */
  status = EXIT_FAILURE;
}
else if (files_can_be_treated_as_binary
&& S_ISREG (cmp.file[0].stat.st_mode)
&& S_ISREG (cmp.file[1].stat.st_mode)
&& cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
message ("Files %s and %s differ\n",
    file_label[0] ? file_label[0] : cmp.file[0].name,
    status = EXIT_FAILURE;
}
else
{
/* Both exist and neither is a directory. */
*/

/* Open the files and record their descriptors. */

int oflags = O_RDONLY | (binary ? O_BINARY : 0);

    if (cmp.file[0].desc == UNOPENED)
if ((cmp.file[0].desc = open (cmp.file[0].name, oflags, 0)) < 0)
{    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
    if (cmp.file[1].desc == UNOPENED)
{
if (same_files)
    cmp.file[1].desc = cmp.file[0].desc;
else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
{    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}
}

/* Compare the files, if no error was found. */

    if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);

/* Close the file descriptors. */

    if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
    if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc}
&& close (cmp.file[1].desc) != 0)
{
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}
}

/* Now the comparison has been done, if no error prevented it,
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
    if (report_identical_files && !DIR_P (0))
        message ("Files %s and %s are identical
", file_label[0] ? file_label[0] : cmp.file[0].name,
    else
    {
        /* Flush stdout so that the user sees differences immediately.
This can hurt performance, unfortunately. */
        if (fflush (stdout) != 0)
            pfatal_with_name (" standard output");
    }

    free (free0);
    free (free1);

    return status;
}

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1.299 make 3.82

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[This is the first released version of the library GPL. It is
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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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application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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Ty Coon, President of Vice

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

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

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

TERMS AND CONDITIONS

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

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

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.

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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
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Factory.java

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* /opt/cola/permits/1228485915_1637062569.0/0/spring-beans-5-3-13-sources-jar/org/springframework/beans/BeanInstantiationException.java
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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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Java(tm) Servlet Specification ("Specification")
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---

1.338 libtool 2.4.2-22.el7

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1.339 unixodbc 2.3.7
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* /opt/cola/permits/1136290122_1613729620.49/0/slf4j-simple-1-7-25-sources-2-jar/org/slf4j/impl/SimpleLoggerFactory.java
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* Project: https://testng.org/doc/index.html
* Source: https://github.com/cbeust/testng

**wagon-http-lightweight (3.0.0)**

* License: Pending
* Project: https://maven.apache.org/wagon/
* Source: https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0

**xz for java (1.8)**

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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
 *
 * and
 *
 * @a href="https://www.ibm.com/support/knowledgcenter/SSEQTJ_9.0.0/com.ibm.websphere.javadoc.doc/web/apidocs
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/validation/validation/ObjectError.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/validation/validation/ObjectError.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/validation/validation/ObjectError.java
jar/org/springframework/context/SmartLifecycle.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/annotation/Import.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
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* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/jmx/export/SpringModelMBean.java
* /opt/cola/permits/1228485924_1637061183.82/0/spring-context-5-3-13-sources-jar/org/springframework/remoting/support/RemoteInvocationFactory.java

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

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 */

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

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Martin Richards
23 February 2007
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/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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**<Project Sdk="Microsoft.NET.Sdk">**

**<PropertyGroup>**

**<OutputType>Exe</OutputType>**

**<ApplicationManifest>App.manifest</ApplicationManifest>**

**<!-- Blocked on ILAsm supporting embedding resources. See https://github.com/dotnet/coreclr/issues/20819 -->**

**<IlrtTestKind>BuildOnly</IlrtTestKind>**

**<!-- Test unsupported outside of windows -->**

**<TestUnsupportedOutsideWindows>true</TestUnsupportedOutsideWindows>**

**<DisableProjectBuild Condition="$(TargetsUnix) == 'true'">true</DisableProjectBuild>**

**<!-- This test would require the runincontext.exe to include App.manifest describing the COM interfaces -->**

**<UnloadabilityIncompatible>true</UnloadabilityIncompatible>**

**</PropertyGroup>**

**<ItemGroup>**

**<Compile Include="Program.cs" />**

**<Compile Include="../../ServerContracts/Server.CoClasses.cs" />**

**<Compile Include="../../ServerContracts/Server.Contracts.cs" />**

**<Compile Include="../../ServerContracts/ServerGuids.cs" />**

**</ItemGroup>**

**<ItemGroup>**

**<ProjectReference Include="../../NativeServer/CMakeLists.txt" />**

**<ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />**

**</ItemGroup>**

**</Project>**

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* /opt/cola/permits/1296049179_1648538533.62/0/opensaml-xacml-saml-impl-3-4-6-sources-jar/org/opensaml/xacml/profile/saml/impl/XACMLPolicyStatementTypeImpl.java
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* /opt/cola/permits/1296049179_1648538533.62/0/opensaml-xacml-saml-impl-3-4-6-sources
1.387 parted 3.1-32.el7

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1.391 aws-java-sdk-core 1.11.946

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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/adapters/types/TypeAdapter.java

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 * Interface for providing AWS region information. Implementations are free to use any strategy for
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 */

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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/handlers/HandlerContextKey.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/regions/ServiceAbbreviations.java
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jar/com/amazonaws/regions/Regions.java

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jar/com/amazonaws/util/ReflectionMethodInvoker.java

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* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/util/AwsHostNameUtils.java
* /opt/cola/permits/1258059156_1643027242.99/0/aws-java-sdk-core-1-11-946-sources-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.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
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* *
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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
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

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

Author: Julio Merino <jmmv84@gmail.com>

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

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  jar/org/apache/commons/cli/PatternOptionBuilder.java

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  jar/org/apache/commons/cli/AlreadySelectedException.java

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 * $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/ParseException.java,v 1.2
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* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
  jar/org/apache/commons/cli/ParseException.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/CommandLine.java,v 1.4
* 2002/06/06 22:32:37 bayard Exp $
* $Revision: 1.4 $
* $Date: 2002/06/06 22:32:37 $
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* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/CommandLine.java
* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-jar/org/apache/commons/cli/HelpFormatter.java
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 * $Date: 2002/09/19 22:59:43 $
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/*
 * $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/Parser.java,v 1.7 2002/10/24 23:17:49
 * jkeyes Exp $
 * $Revision: 1.7 $
 * $Date: 2002/10/24 23:17:49 $
 */

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 * jkeyes Exp $
 * $Revision: 1.7 $
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  jar/org/apache/commons/cli/MissingArgumentException.java

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/*
* $Header: /home/cvs/jakarta-commons/cli/src/java/org/apache/commons/cli/PosixParser.java,v 1.11 2002/09/19
22:59:43 jkeyes Exp $
* $Revision: 1.11 $
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/*
 * $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/Options.java,v 1.5
2002/06/06 22:32:37 bayard Exp $
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* $Date: 2002/06/06 22:50:14 $
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  jar/org/apache/commons/cli/Option.java

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* $Header: /home/cvs/jakarta-commons-
  sandbox/cli/src/java/org/apache/commons/cli/UnrecognizedOptionException.java,v 1.2 2002/06/06 09:37:26
  jstrachan Exp $
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* $Header: /home/cvs/jakarta-commons-
  sandbox/cli/src/java/org/apache/commons/cli/MissingOptionException.java,v 1.2 2002/06/06 09:37:26 jstrachan
  Exp $ 
* $Revision: 1.2 $ 
* $Date: 2002/06/06 09:37:26 $ 
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* /opt/cola/permits/1136279811_1613727097.48/0/commons-cli-1-0-sources-1-
jar/org/apache/commons/cli/MissingOptionException.java

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22:50:45 jkeyes Exp $ 
* $Revision: 1.12 $ 
* $Date: 2002/10/15 22:50:45 $ 
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  jar/org/apache/commons/cli/OptionBuilder.java
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/**
 * $Header: /home/cvs/jakarta-commons-sandbox/cli/src/java/org/apache/commons/cli/TypeHandler.java,v 1.2
 * 2002/06/06 22:49:36 bayard Exp $ 
 * $Revision: 1.2 $
 * $Date: 2002/06/06 22:49:36 $
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  jar/org/apache/commons/cli/TypeHandler.java

1.398 zlib 1.2.7

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  jar/org/apache/commons/codec/package.html
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
  jar/org/apache/commons/codec/overview.html
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
  jar/org/apache/commons/codec/binary/package.html
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
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* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
  jar/org/apache/commons/codec/language/package.html
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* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
  jar/org/apache/commons/codec/digest/DigestUtils.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
  jar/org/apache/commons/codec/net/URLEncoder.java
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1.413 gconf 3.2.6

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concluded that weaker conditions might promote sharing better.

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete—if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Pete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
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Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John
The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédéric
Hein, Jochen
Hufthammer, Karl Ove
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Kazik, Duan
Kelemen, Gbor
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Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fibio
r, Balzs
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.422 istack-commons 3.0.5
1.422.1 Available under license:
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bundle-Description: istack common utility code
Implementation-Title: istack common utility code runtime
Bundle-License: https://glassfish.java.net/public/CDDL+GPL_1_1.html
https://glassfish.java.net/public/CDDL+GPL_1_1.html
Bundle-SymbolicName: com.sun.istack.commons-runtime
Implementation-Version: 3.0.5
Built-By: build
Bnd-LastModified: 1486772850426
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: com.sun.istack
Bundle-DocURL: http://www.oracle.com/
Bundle-Vendor: Oracle Corporation
Import-Package: javax.activation, javax.xml.namespace, javax.xml.stream,
org.xml.sax, org.xml.sax.helpers
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-3.2.0.201605172007
Implementation-Vendor: Oracle Corporation
Export-Package: com.sun.istack;uses="javax.activation, javax.xml.stream,
org.xml.sax, org.xml.sax.helpers";version="3.0.5", com.sun.istack.logging;version="3.0.5",
Name: istack common utility code runtime
Bundle-Version: 3.0.5
Implementation-Build-Id: tags/istack-commons-3.0.5-321, 2017-02-11T01:27:24+01:00
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_112

Found in path(s):
* /opt/cola/permits/1334904685_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-INF/MANIFEST.MF
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* /opt/cola/permits/1334904685_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-INF/maven/com.sun.istack/istack-commons-runtime/pom.xml

1.423 audit 2.8.5 4.el7
1.423.1 Available under license:
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# 1.424 kerberos 1.15

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cmd/krb5/slave/kropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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lib/gssapi/mechglue/g_canon_name.c
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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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1.426 commons-lang3 3.12.0

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1.428 microprofile-rest-client-api 2.0

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1.433 jaxb-core 2.2.6

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/Bits.java
* /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
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/SequenceOption.java

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/ssl/JsseXnioSsl.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/ssl/XnioSsl.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/XnioXmlParser.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/XnioWorkerConfigurator.java
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/**
 * A QOP value specifying authentication plus integrity and confidentiality protection.
 */

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/Buffers.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SuspendableReadChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/IoFuture.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/ReadableMultipointMessageChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/Configurable.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/WritableMessageChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AbstractIoFuture.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/WritableMultipointMessageChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/StreamSinkChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/Channels.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SuspendableWriteChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/AbstractConvertingIoFuture.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/MulticastMessageChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/ReadableMessageChannel.java
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* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/BlockingByteChannel.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/CloseableChannel.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/CloseableChannel.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/CloseableChannel.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/OptionMap.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/OptionMap.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/Sequence.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SslChannel.java
* /opt/cola/permits/1174807888_1624022781.840/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/ChannelListener.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/streams/BufferedChannelInputStream.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SuspendableAcceptChannel.java
* /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/org/xnio/channels/ReadTimeoutException.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/ReaderInputStream.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/BufferPipeInputStream.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/FixedLengthUnderflowException.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/FixedLengthOverflowException.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/NullStreamSinkChannel.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AssembledMessageChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AssembledSslStreamChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/EmptyStreamSourceChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AssembledSslChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/FixedLengthStreamSourceChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AssembledChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/AssembledSslStreamChannel.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/Version.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio/api-3-8-4-final-sources-jar/org/xnio/http/UpgradeFailedException.java

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/streams/LimitedOutputStream.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/streams/LimitedInputStream.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SocketAddressBuffer.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/LocalSocketAddress.java

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/ChannelFactory.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SplitStreamSourceChannel.java
* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/CompressionType.java
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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/channels/SplitStreamSinkChannel.java

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* /opt/cola/permits/1174807888_1624022781.84/0/xnio-api-3-8-4-final-sources-jar/org/xnio/http/ConnectionClosedEarlyException.java

1.435 idna 11.0.0

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1.437 forgerock-guava-annotations 18.0.4

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/RSAKeyValueBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/KeyReferenceUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/KeySizeBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/schema/impl/XSQNameUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/criteria/PublicKeyCriteria.java

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/implement/X509DigestUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/CriteriaSet.java
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Schema for XML Signatures
http://www.w3.org/2000/09/xmldsig#

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

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/**
* Encodes and decodes to and from Base64 notation.
*
* <p>
* Change Log:
* </p>
* <ul>
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods
for reading
* and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like
* EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
* <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner.
* The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically.
* Generally things are cleaner. You'll probably have to change some method calls that you were making to support
* new options format (int's 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>
* <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>

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1.451 axis2-transport-http 1.7.9

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1.452 at 3.1.13

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<ig25@rz.uni-karlsruhe.de>, taken over and re-packaged first by Martin
Schulze <joey@debian.org> and then by Siggy Brentrup <bsb@winnegan.de>,
and then taken over by Ryan Murray <rmurray@debian.org>.

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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1.461 libx11 1.6.7 2.el7

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1.463 jctools-core 2.1.1

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  jar/javassist/compiler/CodeGen.java
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  jar/javassist/convert/TransformAccessArrayField.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypedBlock.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/InstanceOfExpr.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/rmi/ObjectImporter.java
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* /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/expr/NewExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ClassPath.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/Mnemonic.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/rmi/Sample.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/ByteArray.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/CtClassType.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/Expr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/ClassMetaobject.java
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1.471 openssl 1.0.2k 16.el7

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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/AbstractListenerWriteProcessor.java
* /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
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/MissingRequestValueException.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/SessionAttributes.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/annotation/RequestMethod.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java

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 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */

/**
 * 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.
*/

Found in path(s):
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/server/ServerWebExchange.java
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Found in path(s):
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/bind/annotation/Mapping.java
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 */

Found in path(s):
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources.jar/org/springframework/web/util/pattern/PatternParseException.java
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/async/DeferredResultProcessingInterceptor.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/support/HandlerMethodReturnValueHandler.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/client/AsyncClientHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/DelegatingFilterProxy.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/remoting/caucho/HessianClientInterceptor.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/HttpCookie.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/client/SimpleBufferingClientHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/converter/xml/Jaxb2CollectionHttpMessageConverter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/util/pattern/CaptureTheRestPathElement.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/SslInfo.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/ContextLoaderListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/RequestCallback.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/server/reactive/SSLInfo.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/ContextLoaderListener.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/client/RequestCallback.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-
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   */

Found in path(s):
* /opt/cola/permits/1167718755_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java
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Found in path(s):
* /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/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/applixware
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+zip
# application/batch-smtp
# application/beep+xml
# application/calendar+xml
# application/calendar+json
# application/call-completion
# application/cals-1840
# application/cbor
# application/ccmp+xml
application/ccxml+xml
application/ccxml
# application/cdfx+xml
application/cdmi-capability
cdmi
application/cdmi-container
cdmi
cml
application/cdmi-domain
cdmi
cml
application/cdmi-object
cdmi
application/cdmi-queue
cdmi
cml
# application/ccxml+xml
# application/ccxml
# application/cdmi-capability
cdmi
# application/ccxml
# application/ccxml
# application/cdmi-container
cdmi
cml
# application/cdmi-domain
cdmi
cml
# application/cdmi-object
cdmi
cml
# application/cdmi-queue
cdmi
cml
# 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+xmldavmount
# application/dca-rtf
# 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/emacscriptecma
# 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
# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/epub+zip
epub
# application/eshop
# application/example
application/exi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
# application/fit
# application/font-sfnt
application/font-tdpfr
# application/prs.nprend
# application/prs.plucker
# application/prs.rdf-xml-crypt
# application/prs.xsf+xml
application/pskc+xml				pskcxml
# application/qsig
# application/raptorfec
# application/rdap+json
application/rdf+xmlldf
application/reginfo+xml
application/resource-lists+xmlrl
application/resource-lists-diff+xmlrlrd
# application/rfc+xml
# application/riscos
# application/rml+xml
application/rlmi+xml
application/rls-services+xmlrls
application/rpki-ghostbustersgbr
application/rpki-manifestmft
application/rpki-roaraoa
# application/rfc-updown
application/rsd+xmlrlsd
application/rss+xmlrlss
application/rtf
# application/rtlopback
# application/rtx
# application/samlassertion+xml
# application/samlmetadata+xml
application/sbml+xml
# application/scaip+xml
# application/scim+xml
application/scvp-cv-requestscq
application/scvp-cv-responsescs
application/scvp-vp-requestspq
application/scvp-vp-responsespp
application/sdpsdp
# application/sep+xml
# application/sep-exi
# application/session-info
# application/set-payment
application/set-payment-initiationsetpay
# application/set-registration
application/set-registration-initiationsetreg
# application/sgml
# application/sgml-open-catalog
application/shf+xmlshf
# application/sieve
# application/simple-filter+xml
# application/simple-message-summary
# application/simplesymbolcontainer
# application/slate
# application/smil
application/smil+xml smil
# application/smpte336m
# application/soap+fastinfoset
# application/soap+xml
application/sparql-query
application/sparql-results+xml
# application/spirits-event+xml
# application/sql
application/srgs
application/srgs+xml grxml
application/sru+xml sru
application/ssdl+xml ssdl
application/ssml+xml ssml
# application/tamp-apex-update
# application/tamp-apex-update-confirm
# application/tamp-community-update
# application/tamp-community-update-confirm
# application/tamp-error
# application/tamp-sequence-adjust
# application/tamp-sequence-adjust-confirm
# application/tamp-status-query
# application/tamp-status-response
# application/tamp-update
# application/tamp-update-confirm
application/tei+xml tei teicorpus
application/thraud+xml tfi
# application/timestamp-query
# application/timestamp-reply
application/timestamped-data+xml
datsd	
# application/ttml+xml
# application/tve-trigger
# application/ulpfec
# application/urc-grpsheet+xml
# application/urc-ressheet+xml
# application/urc-targetdesc+xml
# application/urc-uisocketdesc+xml
# application/vcard+json
# application/vcard+xml
# application/vemmi
# application/vividence.scriptfile
# application/vnd.3gpp-prose+xml
# application/vnd.3gpp-prose-pc3ch+xml
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application/vnd.kde.kpresenterkpr kpt
application/vnd.kde.kspreadksp
application/vnd.kde.kwordkw kwt
application/vnd.kenaemapphtke
application/vnd.kidspirationkia
application/vnd.kinarkneknap
application/vnd.koanskpsk sk sk skm
application/vnd.kodak-descriptorkse
application/vnd.las.las+xml lasxml
# application/vnd.liberty-request+xml
application/vnd.lamasgrafics.life-balance.desktoplbd
application/vnd.lamasgrafics.life-balance.exchangelbex+xml
application/vnd.lotus-1-2-3-3123
application/vnd.lotus-approachapr
application/vnd.lotus-freelancelp
application/vnd.lotus-notesnsf
application/vnd.lotus-organizerorg
application/vnd.lotus-screencamscm
application/vnd.lotus-wordprowp
application/vnd.macports.portpkgportpkg
# application/vnd.mapbox-vector-tile
# application/vnd.marlin.drm.actiontoken+xml
# application/vnd.marlin.drm.conftoken+xml
# application/vnd.marlin.drm.license+xml
# application/vnd.marlin.drm.mdcf
# application/vnd.mason+json
# application/vnd.maxmind.maxmind-db
application/vnd.mcdmcd
application/vnd.medcalcdatamc1
application/vnd.mediastation.cdkeycdkey
# application/vnd.meridian-slingshot
application/vnd.mfermfwf
application/vnd.mfmpmfm
# application/vnd.micro+json
application/vnd.micrografxfloflo
application/vnd.micrografx.gxgx
# application/vnd.microsoft.portable-executable
# application/vnd.miele+json
application/vnd.mifmif
# application/vnd.minisoft-hp3000-save
# application/vnd.mitsubishi.misty-guard.trustweb
application/vnd.mobius.dafdaf
application/vnd.mobius.disdis
application/vnd.mobius.mkmbkb
application/vnd.mobius.mqymqy
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application/vnd.mobius.plcplc
application/vnd.mobius.txfxf
application/zip
# application/zlib
# audio/1d-interleaved-parityfec
# audio/32kadpcm
# audio/3gpp
# audio/3gpp2
# audio/ac3
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# audio/amr
# audio/amr-wb
# audio/amr-wb+
# audio/aptx
# audio/asc
# audio/atrac-advanced-lossless
# audio/atrac-x
# audio/atrac3
audio/basic snd
# audio/bv16
# audio/bv32
# audio/clearmode
# audio/cn
# audio/dat12
# audio/dis
# audio/dsr-es201108
# audio/dsr-es202050
# audio/dsr-es202211
# audio/dsr-es202212
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# audio/dvi4
# audio/eac3
# audio/encaprtp
# audio/evrc
# audio/evrc-qcp
# audio/evrc0
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# 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/g711-0
# audio/g719
# audio/g722
# audio/g7221
# audio/g723
# audio/g726-16
# audio/g726-24
# audio/g726-32
# audio/g726-40
# audio/g728
# audio/g729
# audio/g7291
# audio/g729d
# audio/g729e
# audio/gsm
# audio/gsm-efr
# audio/gsm-hr-08
# audio/ilbc
# audio/ip-mr_y2.5
# audio/lsac
# audio/l16
# audio/l20
# audio/l24
# audio/l8
# audio/lpc
audio/midimid midi kar rmi
# audio/mobile-xmf
audio/mp4m4a mp4a
# audio/mp4a-latm
# audio/mpa
# audio/mpa-robust
audio/mpegmpga mp2 mp2a mp3 m2a m3a
# audio/mpeg4-generic
# audio/musepack
audio/oggoga ogg spx
# audio/opus
# audio/parityfec
# audio/pcma
# audio/pcma-wb
# audio/pcmu
# audio/pcmu-wb
# audio/prs.sid
# audio/qcelp
# audio/raptorfec
# audio/red
# audio/rtp-enc-aescm128
# audio/rtp-midi
# audio/rtploopback
# audio/rtx
image/x-portable-pixmapppm
image/x-rgbrgb
image/x-tgatga
image/x-xbitmapxbm
image/x-xpixmapxpm
image/x-xwindowdumpxwd

# message/cpim
# message/delivery-status
# message/disposition-notification
# message/example
# message/external-body
# message/feedback-report
# message/global
# message/global-delivery-status
# message/global-disposition-notification
# message/global-headers
# message/http
# message/imdn+xml
# message/news
# message/partial
message/rfc822eml mime
# message/s-http
# message/sip
# message/sipfrag
# message/tracking-status
# message/vnd.si.simp
# message/vnd.wfa.wsc
# model/example
# model/gltf+json
model/igesigs iges
model/meshmsh mesh silo
model/vnd.collada+xmlldae
model/vnd.dwf/dwf
# model/vnd.flatland.3dml
model/vnd.gdl/gdl
# model/vnd.gs-gdl
# model/vnd.gs.gdl
model/vnd.gtw/gtw
# model/vnd.moml+xml
model/vnd.mtsmts
# model/vnd.opengex
# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.source.compiled-map
model/vnd.vtu
model/vrml/wrl vrml
model/x3d+binaryx3db x3dbz
text/x-opml

text/x-pascal

text/x-setext

text/x-sfv

text/x-uuencode

text/x-vcalendar

text/x-vcard

# text/xml

# text/xml-external-parsed-entity

# video/1d-interleaved-parityfec

video/3gpp3gp

# video/3gpp-3g2

video/3gpp23g2

# video/bmpeg

# 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

# video/h265

# video/iso.segment

video/jpegjpv

# video/jpeg2000

video/jpmjpm

video/mj2mj2

# video/mp1s

# video/mp2p

# video/mp2t

video/mp4mp4

# video/mp4v-es

video/mpegmp4

# video/mpeg4-generic

# video/mpv

# video/nv

video/oggogv

# video/parityfec

# video:pointer

video/quicktimeqt

# video/raptorfec

# video/raw

# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
# video/smp292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hduvh uvvh
video/vnd.dece.mobileuvm uvvm
# video/vnd.dece.mp4
video/vnd.dece.pduvp uvvp
video/vnd.dece.sduvs uvvs
video/vnd.dece.videouvv uvvv
# video/vnd.directv.mpeg
# video/vnd.directv.mpeg-tts
# video/vnd.dlna.mpeg-tts
video/vnd.dvb.filedevb
video/vnd.fvtv
# video/vnd.hns.video
# video/vnd.ippvforum.1dparityfec-1010
# video/vnd.ippvforum.1dparityfec-2005
# video/vnd.ippvforum.2dparityfec-1010
# video/vnd.ippvforum.2dparityfec-2005
# video/vnd.ippvforum.ttsavc
# video/vnd.ippvforum.ttsmpeg2
# video/vnd.motorola.video
# video/vnd.motorola.videop
video/vnd.mpegurlmxu m4u
video/vnd.ms-playready.media.pyvpyv
# video/vnd.nokia.interleaved-multimedia
# video/vnd.nokia.videovoip
# video/vnd.objectvideo
# video/vnd.radgametools.bink
# video/vnd.radgametools.smacker
# video/vnd.sealed.mpeg1
# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvvu.mp4uvu uvvu
video/vnd.vivoviv
# video/vp8
video/webmwebm
video/x-f4v4v
video/x-fli
video/x-flvflv
video/x-m4vm4v
video/x-matroskamkv mk3d mks
video/x-mngmng
video/x-ms-asfsm asx
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jar/org/springframework/http/mime.types
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jar/org/springframework/web/context/support/ServletContextResourceLoader.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/method/ControllerAdviceBean.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/filter/CorsFilter.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/client/reactive/JettyClientHttpRequest.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/SpringServletContainerInitializer.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/bind/WebDataBinder.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/adapter/ForwardedHeaderTransformer.java
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* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/server/WebExceptionHandler.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/ReactiveHttpOutputMessage.java
* /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java
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* /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/http/client/ClientHttpRequestFactory.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/web/method/support/HandlerMethodArgumentResolver.java
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 * /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/web/accept/FixedContentNegotiationStrategy.java
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 * /opt/cola/permits/1167717855_1621845576.78/0/spring-web-5-3-7-sources-jar/org/springframework/http/codec/cbor/Jackson2CborEncoder.java
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.478 python-iniparse 0.4 9.el7

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnrı.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.482 struts2-tiles-plugin 2.5.30

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command-line interface parsing library 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 @@
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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Theodore Ts'o
23-June-2007

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Section 6 states terms for distribution of such executables.

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That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*.$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995
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Appendix: How to Apply These Terms to Your New Programs

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possible use to the public, the best way to achieve this is to make it
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jar/javassist/bytecode/annotation/BooleanMemberValue.java
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jar/javassist/bytecode/annotation/IntegerMemberValue.java
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  jar/com/sun/jersey/multipart/FormDataBodyPart.java
* /opt/cola/permits/1004926444_1654022910.04326/0/jersey-multipart-1-19-4-sources-
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* /opt/cola/permits/1004926444_1654022910.04326/0/jersey-multipart-1-19-4-sources-
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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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* https://github.com/eclipse-ee4j/jws-api
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/* number.c: Implements arbitrary precision numbers. */
/*

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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

__PROTOTYPE(void rt_warn, (char *mesg ,...));
__PROTOTYPE(void rt_error, (char *mesg ,...));
__PROTOTYPE(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. */
b_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;
}

/* Intialize the number package! */

void
bc_init_numbers ()
{
  _zero_ = bc_new_num (1,0);
  _one_  = bc_new_num (1,0);
  _one_->n_value[0] = 1;
  _two_  = bc_new_num (1,0);
  _two_->n_value[0] = 2;
}

/* 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 n2 > n1. */
        if (n2->n_len == PLUS)
          return (-1);
        else
          return (1);
      }
  }
}
/* 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;
        }
    }
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;
    sumptr--;
    n1bytes--;
    n2bytes--;
}

/* Now add carry the longer integer part. */
if (n1bytes == 0)
{
    n1bytes = n2bytes; n1ptr = n2ptr;
}
while (n1bytes-- > 0)
{
    *sumptr = *n1ptr-- + carry;
    if (*sumptr > (BASE-1))
    {
        carry = 1;
        *sumptr -= BASE;
    }
    else
    carry = 0;
    sumptr--;
}

/* Set final carry. */
if (carry == 1)
    *sumptr += 1;

/* Adjust sum and return. */
.bc_rm_leading_zeros (sum);
return sum;
}
/* 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 then 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. */
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. */
bc_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 idx, 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 than 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 {
   /* 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^2n+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);
/* 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);
bc_free_num(&u0);
bc_free_num(&v1);
bc_free_num(&m1);
bc_free_num(&v0);
bc_free_num(&m2);
bc_free_num(&m3);
bcc_free_num(&d1);
bc_free_num(&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 */
    _bc_rec_mul (n1, len1, n2, len2, &pval, full_scale);

    /* 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();
    memset (num1, 0, n1->n_len+n1->n_scale+extra+2);
    memcpy (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(qval);
*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_);
bcd_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. */
bcd_free_num(&power);
bcd_free_num(&exponent);
bcd_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)
    bcd_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);
    bc_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);
bc_init_num(&guess);
bc_init_num(&guess1);
bc_init_num(&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 = bc_copy_num (_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 = bc_copy_num (guess);
bc_divide (*num, guess, &guess, cscale);
broadcast (guess, guess1, &guess, 0);
broadcast (guess, point5, &guess, cscale);
broadcast (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. */
bc_free_num (num);
bc_divide (guess, _one_, num, rscale);
bc_free_num (&guess);
broadcast (num, &guess1);
broadcast (num, &point5);
broadcast (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;
```c
#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)
        { /* 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);
        bc_int2num (&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) be_out_of_memory();
            }
temp->digit = bc_num2long (cur_dig);
temp->next = digits;
digits = temp;
bc_divide (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);
broadcast &frac_part;
broadcast &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. */
}
/* 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))
    {
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/* 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 == '-')
{
    (*num)->n_sign = MINUS;
ptr++;
}
else
{
    (*num)->n_sign = PLUS;
    if (*ptr == '+') ptr++;
}
while (*ptr == '0') ptr++; /* Skip leading zeros. */
nptr = (*num)->n_value;
if (zero_int)
{
    *nptr++ = 0;
digits = 0;
}
for (;digits > 0; digits--)
    *nptr++ = CH_VAL(*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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   (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
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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   b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
   c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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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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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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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
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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 the executable.

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/* GnuPG comes with a shell script gpg-zip which creates archive files in the same format as PGP Zip, which is actually a USTAR format. That is fine and works nicely on all Unices but for Windows we don't have a compatible shell and the supply of tar programs is limited. Given that we need just a few tar option and it is an open question how many Unix concepts are to be mapped to Windows, we might as well write our own little tar customized for use with gpg. So here we go. */

#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,
oNull
};

/* 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]write output to FILE")),
  ARGPARSE_s_n (oVerbose, "verbose", N_("verbose")),
  ARGPARSE_s_n (oQuiet,"quiet", N_("be somewhat more quiet")),
  ARGPARSE_s_n (oSkipCrypto, "skip-crypto", N_("skip the crypto processing")),
  ARGPARSE_s_s (oSetFilename, "set-filename", @""),
  ARGPARSE_s_s (oFilesFrom, "files-from",
      N_("[FILE]get 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>@\n"); break;
    case 1:
    case 40:
      p = _("Usage: gpgtar [options] [files] [directories] (-h for help)\n"); break;
    case 41:
      p = _("Syntax: gpgtar [options] [files] [directories]\n" "Encrypt or sign files into an archive\n"); 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;
}
/* gpgetar 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);

    gnupg_reopen_std ("gpgetar");
    set_strusage (my_strusage);
    log_set_prefix ("gpgetar", 1);

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

    /* Parse the command line. */
    pargs.argc = &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.verbose = 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:
            break;
        case aDecrypt:
            break;
        case aEncrypt:
            break;
        case aSign:
            set_cmd (&cmd, pargs.r_opt);
            break;
        case oSymmetric:
            set_cmd (&cmd, aEncrypt);
            break;
        }
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);
    break;

default:
    log_error ("invalid command (there is no implicit command)
");
    break;
}

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 an 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
",
                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\n",
         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\n",
           gpg_strerror (gpg_error_from_syserror ()));

      if ((ctb & 0x80))
        switch ((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. */

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;
#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 (!CreateDirectory (name, &mode))
            return -1;
    }
#endif
    return 0;
}
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;
}
return mkdir (name, mode);
#endif

#endif 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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1.540 libgcrypt 1.5.3-14

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

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1.555 kerberos 1.13

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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
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
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lib/libgss/g_dsp_name.c
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lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
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<code=lib/rpc
```


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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in the implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
<span class="n">g_accept_sec_context</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_acquire_cred</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_canon_name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_compare_name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_context_time</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_delete_sec_context</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g DSP_Name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g DSP_status</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_dup_name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_exp_sec_context</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_export_name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g glue</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_imp_name</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_imp_sec_context</span><span class="o">.</span><span class="n">c</span>  
<span class="n">g_init_sec_context</span><span class="o">.</span><span class="n">c</span>
class="n">g_initialize</span><span class="o">.</span><span class="n">c</span>

class="n">g_initialize</span><span class="o">.</span><span class="n">c</span>
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/krb5/error_tables.kdb5_err`
- `kprop/kpropd_rpc.c`
- `kprop/kproplog.c`

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.. parsed-literal::

   lib/gssapi/generic/gssapi_err_generic.et
   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   lib/gssapi/mechglue/g_delete_sec_context.c
   lib/gssapi/mechglue/g_dsp_name.c
   lib/gssapi/mechglue/g_dsp_status.c
   lib/gssapi/mechglue/g_dup_name.c
   lib/gssapi/mechglue/g_exp_sec_context.c
   lib/gssapi/mechglue/g_export_name.c
   lib/gssapi/mechglue/g_glue.c
   lib/gssapi/mechglue/g_imp_name.c
and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/prop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
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lib/gssapi/mechglue/g_inquire_context.c
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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
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
        # DB2 licenses start with '/*-' and we don't want to change them.
        if line != '' and line != '-':
            text_seen = True
        return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* \([^\s]*\)\( - .*? \)/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
            ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
            line = line.strip()
        if not in_comment and '/*' in line:
            (line, sep, comment_part) = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            comment.append(line.lstrip('*').lstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition("*/")
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != ":
    code_seen = True


ln += 1

for fname in sys.argv[1::]
    if fname.startswith('./'):
        fname = fname[2::]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

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* /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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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/persistence/AbstractFilePersistenceStrategy.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/PrettyPrintWriter.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/SelfStreamingInstanceChecker.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/BaseException.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/CharArrayConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/mapper/DefaultMapper.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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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/CGLIBEnhancedConverter.java
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Found in path(s):
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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/BinaryStreamDriver.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/naming/NoNameCoder.java
* /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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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/xppdom/XppDomComparator.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/SecurityUtils.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/time/LocalDateTimeConverter.java
* /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/io/xml/xppdom/XppDom.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/mapper/EnumMapper.java
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  jar/com/thoughtworks/xstream/core/util/FastStack.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/MXParserDriver.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/mapper/AttributeMapper.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/BEAStaxDriver.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/ErrorReporter.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/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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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/mapper/SystemAttributeAliasingMapper.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/mapper/AbstractAttributeAliasingMapper.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/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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* /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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/**
* 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_LIST_PROPERTY} 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_LIST_PROPERTY objects to be serialized} as well as the
* { [@link #CONFIGURED_XSTREAM_PROPERTY XStream facade].
* </p>
* 
* @author Laurent Bihanic
* /
/**
 * @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).
 * <p>
 * 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:</p>
 * <pre>
 *   parse(new InputSource(systemId));
 * </pre>
 * <p>
 * If the system identifier is a URL, it must be fully resolved by the application before it is passed to the parser.</p>
 * <p>
 * &lt;strong&gt;Note&lt;/strong&gt;: As a custom SAX parser, this class ignores the &lt;code&gt;systemId&lt;/code&gt; argument of this method and relies on the proprietary SAX property { @link #SOURCE_OBJECT_LIST_PROPERTY}) to define the list of objects to serialize.</p>
 * 
 * @param systemId the system identifier (URI).
 * @throws SAXException Any SAX exception, possibly wrapping another exception.
 * @see #parse(org.xml.sax.InputSource)
 */

Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources.jar/com/thoughtworks/xstream/io/xml/SaxWriter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/ShortConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/CharConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/DoubleConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/basic/FloatConverter.java
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* /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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jar/com/thoughtworks/xstream/core/util/ISO8601JavaTimeConverter.java

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jar/com/thoughtworks/xstream/converters/time/ChronologyConverter.java

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jar/com/thoughtworks/xstream/io/naming/NameCoder.java
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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
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/security/InputManipulationException.java
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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/io/xml/StaxReader.java
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  jar/com/thoughtworks/xstream/converters/extended/ToAttributedValueConverter.java
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jar/com/thoughtworks/xstream/io/xml/JDom2Writer.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/io/xml/JDom2Reader.java
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jar/com/thoughtworks/xstream/core/ClassLoaderReference.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/persistence/StreamStrategy.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/persistence/FileStreamStrategy.java
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jar/com/thoughtworks/xstream/persistence/StreamStrategy.java
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jar/com/thoughtworks/xstream/persistence/FileStreamStrategy.java
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jar/com/thoughtworks/xstream/io/binary/ArrayConverter.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/io/binary/ArrayConverter.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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* /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/FieldKey.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/Dom4JReader.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/converters/extended/EncodedByteArrayConverter.java

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jar/com/thoughtworks/xstream/core/ReferenceByXPathMarshaller.java

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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/converters/collections/CollectionConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/StringCodec.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/util/Base64JavaUtilCodec.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/util/Base64JAXBCodec.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/ExtendedHierarchicalStreamWriterHelper.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/ExtendedHierarchicalStreamWriter.java
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  jar/com/thoughtworks/xstream/core/AbstractReferenceUnmarshaller.java

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

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

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  */opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/core/util/ArrayIterator.java
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  */opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-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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  */opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/javabean/JavaBeanConverter.java
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* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/Dom4JDriver.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/XStream12FieldKeySorter.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/annotations/XStreamAsAttribute.java
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  jar/com/thoughtworks/xstream/core/util/OrderRetainingMap.java
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  * /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
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*
/*
* Created on 06. May 2004 by Joe Walnes
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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/ThreadSafeSimpleDateFormat.java
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* Created on 25. March 2004 by Joe Walnes
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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/DynamicProxyConverter.java
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* Created on 01. March 2013 by Joerg Schaible, moved from package
* com.thoughtworks.xstream.converters.reflection.
*/

Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/core/util/SelfStreamingInstanceChecker.java
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* Created on 15. March 2004 by Joe Walnes
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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/TreeUnmarshaller.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/TreeMapConverter.java
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* Created on 29. April 2009 by Joerg Schaible
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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/AbstractXppDriver.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/XmlHeaderAwareReader.java
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 * Created on 20.09.2007 by Joerg Schaible
*/

Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
jar/com/thoughtworks/xstream/converters/extended/PropertyEditorCapableConverter.java
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 * Created on 30. March 2007 by Joerg Schaible
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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/DependencyInjectionFactory.java
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* Created on 20. September 2007 by Joerg Schaible
*
/*

Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/core/util/ThreadSafePropertyEditor.java
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* Created on 23. February 2004 by Joe Walnes
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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/PropertiesConverter.java
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* Created on 08. January 2014 by Joerg Schaible, renamed from Sun14ReflectionProvider
*
/*

Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/converters/reflection/SunUnsafeReflectionProvider.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/MapBackedDataHolder.java

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 * Created on 10. October 2018 by Joerg Schaible.
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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/FieldUtil14.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/converters/reflection/FieldUtil15.java

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 * Created on 26. September 2007 by Joerg Schaible
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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/XmlFriendlyReader.java
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-jar/com/thoughtworks/xstream/io/xml/XmlFriendlyWriter.java

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* Created on 08.12.2007 by Joerg Schaible
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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/LookAndFeelConverter.java
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* Created on 15. February 2017 by Joerg Schaible
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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/time/InstantConverter.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/extended/UseAttributeForEnumMapper.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/persistence/PersistenceStrategy.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/mapper/FieldAliasingMapper.java
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 * Created on 24. July 2004 by Joe Walnes
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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/SqlDateConverter.java
* /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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Found in path(s):
* /opt/cola/permits/1285877263_1646964708.65/0/xstream-1-4-19-sources-
  jar/com/thoughtworks/xstream/io/xml/XppReader.java
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* Created on 03. May 2009 by Joerg Schaible
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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/Xpp3DomDriver.java
* /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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 * Created on 01. February 2007 by Joerg Schaible
 */

1.558 pdksh 5.2.14

1.558.1 Available under license:
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 getopts, 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 ifdefs.
* 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@demon.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 (<szgabor@CoDe.hu>): SVR3_PGRP vs SYSV_PGRP, many bug reports and man page fixes.
* Dave Kinchlea (<dkinch@julian.uwo.ca>): DEFAULT_ENV patches.
* Paul Borman (<prb@bsdci.com>): i_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 Kanfi (<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.ucc.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@bonzex.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 (<eric@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 cyngin 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.

1.559 wstx-asl 3.2.4
1.560 mockito-all 1.10.19

1.560.1 Available under license:

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libfreedreno_layout = static_library(
    'freedreno_layout',
    [  
        'fd5_layout.c',
        'fd6_layout.c',
        'freedreno_layout.c',
    ],
    include_directories : [inc_freedreno, 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',
            [  
                'fd_layout_test.c',
                'fd' + major + '_layout_test.c',
                freedreno_xml_header_files,
            ],
            link_with: libfreedreno_layout,dependencies : idep_mesautil,include_directories: [
                inc_include,
                inc_src,
                inc_mapi,
                inc_mesa,
                inc_gallium,
                inc_gallium_aux,
                inc_freedreno],
        ),
suite : ['freedreno'],
)
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1.567 jackson-dataformat-yaml 2.11.2

1.567.1 Available under license:

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1.568 terracotta-utilities-tools 0.0.8

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1.569 zlib 1.0.4

1.569.1 Available under license :

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1.570 spring-struts 2.0.6

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1.572 unbound 1.6.6-5.el7

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1.573 xmlsec-java 1.5.6

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

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

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1.594 binutils 2.27-41.base.el7.3

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(This file is under construction.)-*- text -*.-

If you've contributed to gas and your name isn't listed here, it is
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++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.
Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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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 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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copyright notice for the Library among them, as well as a reference
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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
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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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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices
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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.

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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these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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

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.

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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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.

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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The specification of DOM Level 2's various parts is at:
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The specification of DOM Level 1's various parts is at:
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The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

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That's all there is to it!

1.610 newt 0.52.15 4.el7
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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1.630 soapmonitor 1.4

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1.632 axiom-impl 1.2.21

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1.633 cxf-rt-frontend-simple 3.5.0

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1.637 jackson-databind 2.13.0
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jar/com/ctc/wstx/sw/ReaderBootstrapper.java
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jar/com/ctc/wstx/sw/FullDTDReader.java

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1.642 cxf-services-ws-discovery-api 3.5.0

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
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Pod::Spec.new do |
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = "A beautiful button copy from Path®"
  s.description = "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 :)"
  s.homepage = "https://github.com/Tangdixi/DCPathButton"

  s.license = {
    :type => 'MIT',
    :text => 'The DCPathButton use the MIT license'
  }

  s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

  s.platform = :ios, '7.0'

  s.source = {
    :git => "https://github.com/Tangdixi/DCPathButton.git",
    :tag => "2.1.1"
  }
end
s.source_files  = 'DCPathButton/Classes/*.{h,m}'

s.resources  = ['DCPathButton/Sounds/**']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

Found in path(s):
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* /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/Example/ViewController.m

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* /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/Example/ViewController.m
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1.647 activemq-broker 5.16.3
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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogConfigurationException.java
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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
  jar/org/apache/commons/logging/impl/ServletContextCleaner.java

1.652 rsyslog 8.24.0-52.el7.2

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1.660 libsoup 2.62.2

1.661 libffi 3.0.13 19.el7

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1.662 opensaml-saml-impl 3.4.6

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connected
got SUCCESS_WITH_INFO
00000=NOTICE: test notice: foo
got SUCCESS_WITH_INFO
00000=NOTICE: test notice:
foofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoofoo
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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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PLY (Python Lex-Yacc)                   Version 3.4

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Introduction

==========
PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:
import lex
import yacc

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
==============
PLY requires the use of Python 2.2 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
==========
More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

A Google group for PLY can be found at

http://groups.google.com/group/ply-hack

Acknowledgments
================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.2 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example

Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# calc.py
#
# A simple calculator with variables.
#

tokens = (
    'NAME','NUMBER',
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
    'LPAREN','RPAREN',
)

def t_PLUS(t):
    r'\+'
    t.value = int(t.value)
    return t

def t_MINUS(t):
    r'-'
    t.value = int(t.value)
    return t

def t_TIMES(t):
    r'\*'
    t.value = int(t.value)
    return t

def t_DIVIDE(t):
    r'/'
    t.value = int(t.value)
    return t

def t_EQUALS(t):
    r'='
    t.value = int(t.value)
    return t

def t_LPAREN(t):
    r'('
    return t

def t_RPAREN(t):
    r')'
    return t

def t_NAME(t):
    r'[a-zA-Z_][a-zA-Z0-9_]*'
    return t

def t_NUMBER(t):
    r'\d+'
    t.value = int(t.value)
    return t

def t_newline(t):
    r'\n'
    t.lexer.lineno += t.value.count("\n")
```

---

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6360
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

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 */

Found in path(s):
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/tlv/ScriptFreeTLV.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/core/LoopTag.java
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* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/fmt/LocaleSupport.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/sql/SQLExecutionTag.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/tlv/PermittedTaglibsTLV.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/fmt/LocalizationContext.java
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* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/sql/ResultImpl.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/core/Result.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/sql/ResultSupport.java
* /opt/cola/permits/1000764943_1646171502.39/0/jstl-1-1-2-sources-jar/java/servlet/jsp/jstl/core/ResultSupport.java
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 */

/*
 * $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
 */
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>.</P>
* 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: Xalan.
*/

public static String getProduct()
{
    return "Xalan";
}
* Implementation Language: Java.

```java
public static String getImplementationLanguage()
{
    return "Java";
}
```

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
/∗
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */

public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@"))).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}

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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/xsltc/compiler/XPathLexer.java
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 * to you under the Apache License, Version 2.0 (the "License");
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"]</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.
 *
 * @param argv command line arguments, unused.
 */
```java
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 nth
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum() {
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
```
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
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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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*/

// Attribution to: "Voytenko, Dimitry" <DVoytenko@SECTORBASE.COM>

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* /opt/cola/permits/1134796662_1613422294/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToHTMLStream.java
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*/

// Proprietary
/** The 'document-location()' id (Proprietary). */

Found in path(s):
* /opt/cola/permits/1134796662_1613422294/0/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/res/XSLTInfo.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/output_unknown.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/HTMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/output_html.properties

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/\n
/\n  $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $

/\n
/\n  * @author Jacek Ambroziak
  * @author Santiago Pericas-Geertsen
  * @author Morten Jorgensen
  * @author G. Todd Miller

/\n
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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;

    /**
     * String representation of the expression being parsed.
     */
    private String _expression;

    /**
     * Line number where this expression/pattern was declared.
     */
    private int _lineNumber = 0;

    /**
     * Reference to the symbol table.
     */
    public SymbolTable _symbolTable;

    public XPathParser(Parser parser) {
        _parser = parser;
_xsltC = parser.getXSLTC();
_symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {
    _xsltC.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xsltC.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xsltC.setHasIdCall(flag);
}

/**
 * This method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
 * patterns are expanded as "*[namespace-uri() = 'uri']" and
 * "[@*[namespace-uri() = 'uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).
 * /
 * public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
 *     int nodeType;
 *
 *     if (test == null) { // "*
 *         nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
 *             (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
 *
 *         return new StepPattern(axis, nodeType, predicates);
 *     }
 * */
else if (test instanceof Integer) {
   .nodeType = ((Integer) test).intValue();
}
else {
    QName name = (QName)test;
    boolean setPriority = false;

    if (axis == Axis.NAMESPACE) {
        nodeType = (name.toString().equals("*")) ? -1 : 
        _xsltc.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) ? NodeTest.ATTRIBUTE
                    : NodeTest.ELEMENT;
            } else if (local.equals("@*")) {
                return NodeTest.ATTRIBUTE;
            } else {
                return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
                    : _xsltc.registerElement(name);
            }
        } else if (local.equals("@*")) {
            return NodeTest.ATTRIBUTE;
        } else {
            return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
                : _xsltc.registerElement(name);
        }
    }
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
        _xsltc.registerElement(name);
    }
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
        _xsltc.registerElement(name);
    }"
* compiled in an external module (not in the main class) request
* the current template to create a new variable stack frame.
*
* @param lineNumber Line where the current expression is defined.
* @param external Set to <tt>true</tt> if this expression is
* compiled in a separate module.
* *
*/

public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
                                     lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

/**
* Lookup a variable or parameter in the symbol table given its name.
*
* @param name Name of the symbol being looked up.
*/
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
        return(result);
    else
        return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
    _parser.reportError(Constants.ERROR, error);
}

public void report_error(String message, Object info) {
    final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
                                     _expression);
    _parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep");
        return rlp;
    }
}

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
    return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
            axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}

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
{: RESULT = new ProcessingInstructionPattern(l); :};

RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}
| StepPattern:sp SLASH RelativePathPattern:rpp
{: RESULT = new ParentPattern(sp, rpp); :}
| StepPattern:sp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(sp, rpp); :};

StepPattern ::= NodeTestPattern:nt
{: RESULT = parser.createStepPattern(Axis.CHILD, nt, null); :}
NodeTestPattern :: NodeTestPattern

| NodeTestPattern:nt Predicates:pp
| :: RESULT = parser.createStepPattern(Axis.CHILD, nt, pp);
| :

| ProcessingInstructionPattern:pip
| :: RESULT = pip;
| :

| ProcessingInstructionPattern:pip Predicates:pp
| :: RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
| :

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
| ::
| RESULT = parser.createStepPattern(axis.intValue(), nt, null);
| :

| ChildOrAttributeAxisSpecifier:axis
| NodeTestPattern:nt Predicates:pp
| ::
| RESULT = parser.createStepPattern(axis.intValue(), nt, pp);
| :

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
| ::
| RESULT = pip; // TODO: report error if axis is attribute
| :

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
| Predicates:pp
| ::
| // TODO: report error if axis is attribute
| RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
| :

NodeTestPattern ::= NameTestPattern:nt

| :: RESULT = nt;
| :

| NODE
| :: RESULT = new Integer(NodeTest.ANODE);
| :

| TEXT
| :: RESULT = new Integer(NodeTest.TEXT);
| :

| COMMENT
| :: RESULT = new Integer(NodeTest.COMMENT);
| :

| PI
| :: RESULT = new Integer(NodeTest.PI);
| :;
NameTestPattern ::= STAR
    {: RESULT = null; :}

    | QName:qn
    {: RESULT = qn; :};

ChildOrAttributeAxisSpecifier ::= ATSIGN
    {: RESULT = new Integer(Axis.ATTRIBUTE); :}

    | CHILD DCOLON
    {: RESULT = new Integer(Axis.CHILD); :}

    | ATTRIBUTE DCOLON
    {: RESULT = new Integer(Axis.ATTRIBUTE); :};

Predicates ::= Predicate:p
    {:
        Vector temp = new Vector();
        temp.addElement(p);
        RESULT = temp;
        :}

    | Predicate:p Predicates:pp
    {: pp.insertElementAt(p, 0); RESULT = pp; :};

Predicate ::= LBRACK Expr:e RBRACK
    {:
        RESULT = new Predicate(e);
        :};

/*  --------------------------- Expressions --------------------------------- */

Expr ::= OrExpr:ex
    {: RESULT = ex; :};

OrExpr ::= AndExpr:ae
    {: RESULT = ae; :}

    | OrExpr:oe OR AndExpr:ae
    {: RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); :};

AndExpr ::= EqualityExpr:e
    {: RESULT = e; :}

    | AndExpr:ae AND EqualityExpr:ee
    {: RESULT = new LogicalExpr(LogicalExpr.AND, ae, ee); :};
EqualityExpr ::= RelationalExpr:re
   { RESULT = re; }

   | EqualityExpr:ee EQ RelationalExpr:re
     { RESULT = new EqualityExpr(Operators.EQ, ee, re); }

   | EqualityExpr:ee NE RelationalExpr:re
     { RESULT = new EqualityExpr(Operators.NE, ee, re); };

RelationalExpr ::= AdditiveExpr:ae
   { RESULT = ae; }

   | RelationalExpr:re LT AdditiveExpr:ae
     { RESULT = new RelationalExpr(Operators.LT, re, ae); }

   | RelationalExpr:re GT AdditiveExpr:ae
     { RESULT = new RelationalExpr(Operators.GT, re, ae); }

   | RelationalExpr:re LE AdditiveExpr:ae
     { RESULT = new RelationalExpr(Operators.LE, re, ae); }

   | RelationalExpr:re GE AdditiveExpr:ae
     { RESULT = new RelationalExpr(Operators.GE, re, ae); };

AdditiveExpr ::= MultiplicativeExpr:me
   { RESULT = me; }

   | AdditiveExpr:ae PLUS MultiplicativeExpr:me
     { RESULT = new BinOpExpr(BinOpExpr.PLUS, ae, me); }

   | AdditiveExpr:ae MINUS MultiplicativeExpr:me
     { RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); };

MultiplicativeExpr ::= UnaryExpr:ue
   { RESULT = ue; }

   | MultiplicativeExpr:me MULT UnaryExpr:ue
     { RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); }

   | MultiplicativeExpr:me DIV UnaryExpr:ue
     { RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); }

   | MultiplicativeExpr:me MOD UnaryExpr:ue
     { RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); };

UnaryExpr ::= UnionExpr:ue
   { RESULT = ue; }
MINUS UnaryExpr:ue
{ : RESULT = new UnaryOpExpr(ue); :; }

UnionExpr ::= PathExpr:pe
{ : RESULT = pe; : }

| PathExpr:pe VBAR UnionExpr:rest
{ : RESULT = new UnionPathExpr(pe, rest); :; }

PathExpr ::= LocationPath:lp
{ : RESULT = lp; : }

| FilterExpr:fexp
{ : RESULT = fexp; : }

| FilterExpr:fexp SLASH RelativeLocationPath:rlp
{ : RESULT = new FilterParentPath(fexp, rlp); : }

| FilterExpr:fexp DSLASH RelativeLocationPath:rlp
{ :
   // Expand '//' into '/descendant-or-self::node()' or
   // into /descendant-or-self::*
   //
   int nodeType = DOM_NO_TYPE;
   if (rlp instanceof Step &&
       parser.isElementAxis(((Step) rlp).getAxis()))
   {
      nodeType = DTM_ELEMENT_NODE;
   }
   final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
   FilterParentPath fpp = new FilterParentPath(fexp, step);
   fpp = new FilterParentPath(fpp, rlp);
   if (fexp instanceof KeyCall == false) {
      fpp.setDescendantAxis();
   }
   RESULT = fpp;
   :; }

LocationPath ::= RelativeLocationPath:rlp
{ : RESULT = rlp; : }

| AbsoluteLocationPath:alp
{ : RESULT = alp; :; }

RelativeLocationPath ::= Step:step
{ : RESULT = step; : }
if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
    RESULT = step;       // Remove './' from the middle
} else if (((Step) step).isAbbreviatedDot()) {
    RESULT = rlp;        // Remove 'l.' from the end
} else {
    RESULT =
    new ParentLocationPath((RelativeLocationPath) rlp, step);
}

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'
if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
Step left = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);
RESULT = new ParentLocationPath(left, right);
}
else {
// Expand 'rlp//step' -> 'rlp/descendant-or-self::*/step'
RelativeLocationPath left = (RelativeLocationPath)rlp;
Step mid = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);
ParentLocationPath ppl = new ParentLocationPath(mid, right);
RESULT = new ParentLocationPath(left, ppl);
}
}
}
else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
// Expand 'rlp//step' -> '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::node()/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,

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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);
|
| AxisSpecifier:axis NodeTest:ntest
{|: RESULT = new Step(axis.intValue(),
    parser.findNodeType(axis.intValue(), ntest),
    null);
|
| AbbreviatedStep:abbrev
{|: RESULT = abbrev; :};

AxisSpecifier ::= AxisName:an DCOLON
{|: RESULT = an; :}

| ATSIGN
{|: RESULT = new Integer(Axis.ATTRIBUTE); :};
AxisName ::= ANCESTOR
   { : RESULT = new Integer(Axis.ANCESTOR); : }

| ANCESTORORSELF
| ATTRIBUTE
| CHILD
| DESCENDANT
| DESCENDANTORSELF
| FOLLOWING
| FOLLOWINGSIBLING
| NAMESPACE
| PARENT
| PRECEDING
| PRECEDINGSIBLING
| SELF

AbbreviatedStep ::= DOT
   { : RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); : }

| DDOT

FilterExpr ::= PrimaryExpr:primary
   { : RESULT = primary; : }
PrimaryExpr ::= VariableReference:vr
    { : RESULT = vr; : }

| LPAREN Expr:ex RPAREN
    { : RESULT = ex; : }

| 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 if (node == null) {
    RESULT = new UnresolvedRef(varName);
  }
  :};

FunctionCall ::= FunctionName:fname LPAREN RPAREN
{: 
  if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
    RESULT = new CurrentCall(fname);
  } else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, parser.EmptyArgs);
  } else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, parser.EmptyArgs);
  } else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, parser.EmptyArgs);
  } else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
    RESULT = new BooleanExpr(true);
  } else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
    RESULT = new BooleanExpr(false);
  }
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
    RESULT = new PositionCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
    RESULT = new LastCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}
|

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN |
{:  
    if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
        parser.setMultiDocument(true);
        RESULT = new DocumentCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
        RESULT = new BooleanCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname, argl);
    }
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
    parser.setHasIdCall(true);
}

else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
    RESULT = new CeilingCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new.StartsWithCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) {
    RESULT = new ElementAvailableCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}

else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(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); :}

PIPE 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"); :}
Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/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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* limitations under the License.
*/
/**
* Execute the proprietary document-location() function, which returns 
* a node set of documents.
@xsl.usage advanced

*/

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncDoclocation.java

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*/

package org.apache.xalan.xslt.compiler;

import java_cup.runtime.Symbol;

%%
cup
unicode
class XPathLexer
yyeof

%
{ int last;

    void initialize() {


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());
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * name instead of a keyword (Jira-1912).
 */
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:
            return new Symbol(ss);
        case sym.MOD:
            return new Symbol(ss);
    }
}
case sym.DIV:
case sym.MULT:
case sym.SLASH:
case sym.DSLASH:
case sym.VBAR:
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LT:
case sym.LE:
case sym.GT:
case sym.GE:
    return newSymbol(sym.QNAME, yylex());
}
return newSymbol(ss);
}

/**
* If symbol is first token or if it follows any of the operators
* listed in http://www.w3.org/TR/xpath#exprlex then treat as a
* wildcard instead of a multiplication operator
*/
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.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);
        
    }
}
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%
%yyylexthrow{
    Exception
%yyylexthrow%

Letter={BaseChar}|{Ideographic}

BaseChar=\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u00F9\u00100-\u0131\u0134-\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F0\u01F4-\u01F5\u01FA-\u0217\u0250-\u02A8-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-\u03D6\u03DA\u03DC\u03DE\u03E0-\u03F3\u0401-\u040C\u040E-\u044F\u0451-\u045C\u045E-\u0481-\u0490-\u04C4-\u04C7-\u04C9-\u04CE\u04D0-\u04E2\u04E6-\u04F5\u04F8-\u04F9-\u0531-\u0556-\u0559-\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F2-\u0621-\u063A-\u0641-\u066A\u0671-\u0676\u068A-\u068E-\u0690-\u06A8-\u06B7-\u06BA-\u06BE-\u06C0-\u06CE-\u06D0-\u06D3-\u06D5-\u06E5-\u06E6-\u0905-\u0939-\u093D-\u0958-\u0961-\u0985-\u098C-\u098E-\u0990-\u0993-\u09A8-\u09AA-\u09B0-\u09B2-\u09B6-\u09B9-\u09CD-\u09DD-\u09DF-\u09E1-\u09F0-\u09F1-\u0A05-\u0A0A-\u0A0F-\u0A10-\u0A13-\u0A28-\u0A2A-\u0A30-\u0A32-\u0A33-\u0A35-\u0A36-\u0A38-\u0A39-\u0A59-\u0A5C-\u0A5E-\u0A72-\u0A74-\u0A85-\u0A8B-\u0A8D-\u0A8F-\u0A91-\u0A93-\u0A94-\u0A96-\u0A98-\u0A9A-\u0A9C-\u0A9E-\u0A9F-\u0B05-\u0B06-\u0B07-\u0B08-\u0B0A-\u0B0C-\u0B0D-\u0B0E-\u0B0F-\u0B10-\u0B13-\u0B1B-\u0B1F-\u0B28-\u0B2A-\u0B30-\u0B32-\u0B33-\u0B36-\u0B39-\u0B3D-\u0B5C-\u0B5D-\u0B5F-\u0B61-\u0B85-\u0B8A-\u0B8E-\u0B90-\u0B92-\u0B95-\u0B99-\u0B9A-\u0B9C-\u0B9E-\u0B9F-\u0BA3-\u0BA4-\u0BA8-
"=*"  { return disambiguateStar(); }  
"/"   { return newSymbol(sym.SLASH); }  
"*+"  { return newSymbol(sym.PLUS); }  
"-:"  { return newSymbol(sym.MINUS); }  
"div"  { return disambiguateOperator(sym.DIV); }  
"mod"  { return disambiguateOperator(sym.MOD); }  
"::"   { return newSymbol(sym.DCOLON); }  
","   { return newSymbol(sym.COMMA); }  
"@"   { return newSymbol(sym.ATSIGN); }  
".."  { return newSymbol(sym.DDOT); }  
"|"   { return newSymbol(sym.VBAR); }  
"$"   { return newSymbol(sym.DOLLAR); }  
"//"  { return newSymbol(sym.DSLASH); }  
"="   { return newSymbol(sym.EQ); }  
"!="  { return newSymbol(sym.NE); }  
"<"   { return newSymbol(sym.LT); }  
">"   { return newSymbol(sym.GT); }  
"<="  { return newSymbol(sym.LE); }  
">="  { return newSymbol(sym.GE); }  
"id"  { return disambiguateAxisOrFunction(sym.ID); }  
"key"  { return disambiguateAxisOrFunction(sym.KEY); }  
"text()" { return newSymbol(sym.TEXT); }  
"text"+[ \n|\r|\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); }  
"processing-instruction"+[ \n|\r|\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); }
Found in path(s):
* /opt/cola/permits/1134796662_161342294.09/0/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.
  * <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
  * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
  * @xsl.usage general
  */
public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */
public static final String PRODUCT = "Xalan";

/**
 * Implementation Language.
 */
public static final String LANGUAGE = "Java";

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static final int VERSION = @version.VERSION@;

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 */
public static final int RELEASE = @version.RELEASE@;

public static final int MAINTENANCE = @version.MINOR@;

public static final int DEVELOPMENT = 0;

public static final String S_VERSION = PRODUCT + " " + LANGUAGE + " " + VERSION + "." + RELEASE + "." + (DEVELOPMENT > 0 ? ("D" + DEVELOPMENT) : ("" + MAINTENANCE));
jar/org/apache/xalan/processor/XSLProcessorVersion.src
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/package.html
* /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/templates/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html
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 */

// Proprietary, built in functions
/** current function string (Proprietary). */

Found in path(s):
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  jar/org/apache/xpath/compiler/Keywords.java

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  jar/org/apache/xalan/transformer/QueuedEvents.java
jar/org/apache/xalan/transformer/TransformerIdentityImpl.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/IntVector.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/procesor/ProcessorGlobalVariableDecl.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources_tr.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/axes/PredicatedNodeTest.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/compiler/OpCodes.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_hy.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemTemplateElement.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/LiteralElement.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/templates/ElemTextLiteral.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_de.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/IntegerArray.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToXMLStream.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/templates/ElemText.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/FilterParentPath.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/Sort.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/CeilingCall.java
* /opt/cola/permits/113479662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/tool/ErrorMessages_pt_BR.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xhtml/templates/ElemApplyImport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xhtml/compiler/ParameterRef.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/FloorCall.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xpath/compiler/Compiler.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorPreserveSpace.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources_hu.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/Message.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTDNamedNodeMap.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/util/XMLString.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/LocalNameCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ArgumentList.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/EqualityExpr.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/ForEach.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_de.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/StringComparable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/Expression.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/XSLTVisitor.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/LiteralExpr.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/ApplyImports.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/ConnectionPoolManager.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorAttributeSet.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/Quo.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/NSInfo.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/ExpandedNameTable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/QName.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/TransformSnapshot.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Util/ErrorMessages_es.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/SlotAllocator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Number.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_el.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources_el.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/DOM2TO.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/Stylesheet.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/MultiValuedNodeHeapIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ConcatCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/Axis.java

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`lib/gss_mechs/mech_krb5/et/kdb5_err.c`
`lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h`
`lib/gss_mechs/mech_spnego/mech/spnego_mech.c`
`lib/krb5/kadm5/kadm_host_srv_names.c`
`lib/krb5/kdb/kdb_convert.c`
`lib/krb5/kdb/kdb_hdr.h`
`lib/krb5/kdb/kdb_log.c`
`lib/krb5/kdb/kdb_log.h`
`lib/libgss/g_accept_sec_context.c`
`lib/libgss/g_acquire_cred.c`
`lib/libgss/g_canon_name.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
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
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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
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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} else {
    x = " ";
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1.680 bouncycastle-fips 1.0.2

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1.681 cxf-rt-security-saml 3.5.0

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1.682 python-kitchen 1.1.1 5.el7

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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Apache

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

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MortBay

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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1.689 stax 3.1.4
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Found in path(s):
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
  jar/org/codehaus/stax2/ri/dom/DOMWrappingReader.java
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`
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/Base64DecoderBase.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/CharArrayBase64Decoder.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/StringBase64Decoder.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/NumberUtil.java
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/ValueEncoderFactory.java
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/typed/Base64Variant.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/typed/Base64Variants.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/XMLStreamReader2.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/typed/TypedXMLStreamReader.java

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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/ri/typed/ValueDecoderFactory.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org.codehaus/stax2/ri/typed/AsciiValueEncoder.java

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1.690 opensaml-xacml-api 3.4.6

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1.691 jackson-databind 2.12.1

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1.694 libwww 5.4.2

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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
57c721e38d1266c2df055067c18f2cf9 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
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

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

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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

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

Command (m for help):

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

BSD disklabel command (m for help):
Command (m for help):
_________________________

b5c121c2091b2ff26b880551f8ac7112 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):

1.699 cxf-rt-frontend-jaxrs 3.5.0
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1.700 jackson-jaxrs 2.9.9

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.702 jackson-databind 2.13.2.2

1.702.1 Available under license :

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1.703 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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Version 2, June 1991

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 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
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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout-------

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

Command (m for help):

BSD disklable command (m for help):
4 partitions:
#   start   end    size   fs type [f size bsize cpg]
c:  4096   20479  16384   unused     0     0
d:    0   16064  16065   unused     0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#   start   end    size   fs type [f size 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):
1.704 gpgme 1.3.2 5.el7

1.704.1 Available under license:

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1.705 libxcursor 1.1.14 2.1.el6

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1.706 sqlite 3.7.17-8.el7.1

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#
#*******************************************************************************
#
# 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 " {
SELECT DISTINCT a, b, a||b FROM t1
SELECT ALL a, b, a||b FROM t1
SELECT 1, 2, 3 WHERE 1
SELECT 1, 2, 3 WHERE 0
SELECT 1, 2, 3 WHERE NULL
SELECT DISTINCT 1, 2, 3 WHERE 1
SELECT ALL 1, 2, 3 WHERE 1
SELECT a, b, a||b FROM t1 WHERE a!='x'
SELECT a, b, a||b FROM t1 WHERE a=='x'
SELECT DISTINCT a, b, a||b FROM t1 WHERE a!='x'
SELECT ALL a, b, a||b FROM t1 WHERE a=='x'
SELECT 1, 2, 3 GROUP BY 2
SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)=1
SELECT 1, 2, 3 GROUP BY 2 HAVING count(*)>1
SELECT DISTINCT 1, 2, 3 GROUP BY 2
SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)=1
SELECT DISTINCT 1, 2, 3 GROUP BY 2 HAVING count(*)>1
SELECT ALL 1, 2, 3 GROUP BY 2
SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)=1
SELECT ALL 1, 2, 3 GROUP BY 2 HAVING count(*)>1
SELECT count(*), max(a) FROM t1 GROUP BY b
SELECT count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1
SELECT DISTINCT count(*), max(a) FROM t1 GROUP BY b

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" 
2101.1.1 "SELECT ALL count(*), max(a) FROM t1 GROUP BY b HAVING count(*)=1" 
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" 
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" 
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" 
0112.1 "SELECT count(*), max(a) FROM t1
    WHERE a='c' GROUP BY b HAVING count(*)=1" 
1 a 
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 2 
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" 
2111.1.1 "SELECT ALL count(*), max(a) FROM t1 WHERE b>'one' GROUP BY b HAVING count(*)=1" 
1 2 
2112.1 "SELECT ALL count(*), max(a) FROM t1 WHERE a='b'
    GROUP BY b HAVING count(*)=1" 

SELECT * FROM t1

SELECT t1.rowid FROM t1

SELECT t1.rowid FROM t1 NATURAL JOIN t3
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 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"
    {}
}
# 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'
    }
  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
to show that the statement, vague as it is, is not incorrect.

```plaintext
do_select_tests e_select-1.3 {
  1 "SELECT * FROM t1, t2, t3" {
    a one a I a 1 a one 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.

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

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

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

return 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.
#
return 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 {} \}
# 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
# 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 CROSS JOIN t2 ON (1) }       $t1_cross_t2             \ 
  2 { SELECT * FROM t1 CROSS JOIN t2 ON (0) }       [list]                   \ 
  3 { SELECT * FROM t1 CROSS JOIN t2 ON (NULL) }    [list]                   \ 
  4 { SELECT * FROM t1 CROSS JOIN t2 ON ('abc') }   [list]                   \ 
  5 { SELECT * FROM t1 CROSS JOIN t2 ON ('1ab') }   $t1_cross_t2             \ 
  6 { SELECT * FROM t1 CROSS JOIN t2 ON (0.9) }     $t1_cross_t2             \ 
  7 { SELECT * FROM t1 CROSS JOIN t2 ON ('0.9') }   $t1_cross_t2             \ 
  8 { SELECT * FROM t1 CROSS JOIN t2 ON (0.0) }     [list]                   \ 
  9 { SELECT t1.b, t2.b FROM t1 CROSS JOIN t2 ON (t1.a = t2.a) }             \ 
 10 { SELECT t1.b, t2.b FROM t1 CROSS JOIN t2 ON (t1.a = 'a') }              \ 
 11 { SELECT t1.b, t2.b
      FROM t1 CROSS JOIN t2 ON (CASE WHEN t1.a = 'a' THEN NULL ELSE 1 END) \ 
      {two I two II three I three II three III}                    \ 
    }]{do_join_test e_select-1.3.$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 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');
  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)" {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 l a 0 b 1 b 0 c 1 c 0}
  1b "SELECT a, x FROM t1 NATURAL CROSS JOIN t10" {a l 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.

```sql
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.

```sql
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.

```sql
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}
```

```sql
do_execsql_test e_select-3.2.1a {
```

---

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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');
    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
"SELECT * FROM z1 NATURAL JOIN z3"
"SELECT z1.*, FROM z1 NATURAL JOIN z3"
"SELECT z3.*, FROM z1 NATURAL JOIN z3"
"SELECT 1, 2, z1.* FROM z1"
"SELECT a, *, b, c FROM z1"

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"
{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

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" {}
  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 $nRow==1 and that statement execution was successful
  # (rc==SQLITE_OK).
  do_test e_select-4.$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, 'f');
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]
Each expression in the result-set is then evaluated once for each group of rows.

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 1+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}
}

Otherwise, it is evaluated against a single arbitrarily chosen row from within the group.

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}
}

Each group of input dataset rows contributes a single row to the set of result rows.

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.
#
# 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 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
   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 * FROM j3,j2" {{UNION ALL}}
  4   "SELECT *    FROM j3,j2 UNION ALL SELECT a, b FROM j1" {{UNION ALL}}
  5   "SELECT a, b FROM j1    UNION SELECT g FROM j3"        {UNION}
  6   "SELECT *    FROM j1    UNION SELECT * FROM j3"        {UNION}
  7   "SELECT a, b FROM j1    UNION SELECT g FROM j3"        {UNION}
  8   "SELECT a, b FROM j1    UNION SELECT * FROM j3,j2"     {UNION}
  9   "SELECT *    FROM j3,j2 UNION SELECT a, b FROM j1"     {UNION}
 10   "SELECT a, b FROM j1    INTERSECT SELECT g FROM j3"    {INTERSECT}
 11   "SELECT *    FROM j1    INTERSECT SELECT * FROM j3"    {INTERSECT}
 12   "SELECT a, b FROM j1    INTERSECT SELECT g FROM j3"    {INTERSECT}
 13   "SELECT a, b FROM j1    INTERSECT SELECT * FROM j3,j2" {INTERSECT}
 14   "SELECT *    FROM j3,j2 INTERSECT SELECT a, b FROM j1" {INTERSECT}
 15   "SELECT a, b FROM j1    EXCEPT SELECT g FROM j3"       {EXCEPT}
 16   "SELECT *    FROM j1    EXCEPT SELECT * FROM j3"       {EXCEPT}
 17   "SELECT a, b FROM j1    EXCEPT SELECT g FROM j3"       {EXCEPT}
 18   "SELECT a, b FROM j1    EXCEPT SELECT * FROM j3,j2"    {EXCEPT}
 19   "SELECT *    FROM j3,j2 EXCEPT SELECT a, b FROM j1"    {EXCEPT}
}

# EVIDENCE-OF: R-01450-11152 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} {
  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 ALL 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"
    {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 "Sop1 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

# EVIDENCE-OF: R-08531-36543 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 SELECT * FROM q3}
   {legible 1 beauty 2 -65.91 4 emanating -16.56 beauty 2 beauty 2}
}

# EVIDENCE-OF: R-20560-39162 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 count(*) FROM q1 UNION SELECT min(e) FROM q2}
   {-16.56 3}

4  {SELECT * FROM q2 UNION SELECT * FROM q3}
   {-65.91 4 beauty 2 emanating -16.56 legible 1}
}

# 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}
# 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.

```sql
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.

```sql
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.

```sql
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}
```
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' COLLATE binary UNION SELECT 'ABC' COLLATE nocase } {ABC abc}
    4 { SELECT 'abc' COLLATE nocase UNION SELECT 'ABC' COLLATE binary } {ABC}
    5 { SELECT a FROM y1 UNION SELECT b FROM y1 } {abc}
    6 { SELECT b FROM y1 UNION SELECT a FROM y1 } {Abc abc}
    7 { SELECT a FROM y1 UNION SELECT c FROM y1 } {aBC}
    8 { SELECT a FROM y1 UNION SELECT c COLLATE binary FROM y1 } {aBC}
}
```

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}
```
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).

The INTERSECT and EXCEPT operations are mutually commutative. So the e_select-7.12.5 test cases do not prove very much.
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)" {} 

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', '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 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, 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
  }
  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 -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" {
    / # 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 #  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
    }
}

# EVIDENCE-OF: R-28853-08147 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 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');
}

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-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
    } {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||"
# 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  { 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  { 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  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY b }
  } {f 1  c 4  4 c  1 f}
  6  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 2 }
  } {f 1  c 4  4 c  1 f}
7  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY a }  
    {1 f 4 c c 4 f 1}
8  { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 1 }  
    {1 f 4 c c 4 f 1}

9  { 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  { 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  { SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY a+1 }  
    {f 2 c 5 4 c 1 f}
12  { SELECT a+1, b FROM d5 UNION ALL SELECT b, a+1 FROM d5 ORDER BY 1 }  
    {f 2 c 5 4 c 1 f}

# 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{
  %s ORDER BY term does not match any column in the result set
}

1  { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a+1 }          1st
2  { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a, a+1 }       2nd
3  { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY 'hello' }  1st
4  { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY blah    }  1st
5  { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY c,d,c+d }  3rd
6  { 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 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY a, d }
     {1 e 1 f 4 b 4 c}
  2 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY c-1, b }
     {1 e 1 f 4 b 4 c}
  3 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY 1, 2 }
     {1 e 1 f 4 b 4 c}
}

# 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" {

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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}
}

# 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}
}
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 'l'||'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
        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:


Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6740
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);

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&toe_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.);
INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

Here is the information on staffing and outside services. Call if you need anything else.

Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com’, 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power
Outage Database Customer,
Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.
In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.
Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.
- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610');

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: ""chris.germany@enron.com"" <chris.germany@enron.com>
cc:
Subject: About St Pauls

'Ingrid.immer@williams.com', 'Re: About St Pauls', 'Sounds good to me. I bet this is next to the Warick?? Hotel.

<<About St Pauls.url>>
Chris,

I like the looks of this place. What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.

');
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
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 ;
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',

?http://www.stpaulshouston.org/about.html
'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.
"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@mllhs.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',
'Egyptian Festival', '---------------------- Forwarded by Michelle Lokay/ET&S/Enron on 09/07/2000
10:08 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',
'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com,
chaun.roberts@enron.com, judy.martinez@enron.com', 'Disaster Recovery Equipment', 'As a reminder...there are
several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery
Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer
system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment
for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X
24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this
product out ASAP.

Thanks,

Eric');
INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com',
'10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE]
[IMAGE][IMAGE][IMAGE]
Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [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""
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 timeline 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 timeline, 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 timeline here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc: 
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

Judy Townsend
11/09/2001 11:04 PM
To: Dan Junek, Chris Germany
cc: 
Subject: Columbia Distribution's Capacity Available for Release - Sum

Forwarded by Judy Townsend/HOU/ECT on 03/09/2001 11:04

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.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');

INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com','email address change','Hello all.

I haven't talked to many of you via email recently but I do want to give you
my new address for your email file:

   bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels','Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I'm hearing there is some hold-up & the units are stored on 44.

Shelley');

INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com','2001 Enron Law Conference (Distribution List 2)','Enron Law Conference

San Antonio, Texas   May 2-4, 2001   Westin Riverwalk

See attached memo for more details!!

? Registration for the law conference this year will be handled through an
Online RSVP Form on the Enron Law Conference Website at
http://lawconference.corp.enron.com. The website is still under construction
and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website
is operational.

? Please complete the Online RSVP Form as soon as it is available and submit
it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com',
'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i'll call pat
and let him know - we are coming on saturday - i just havent had a chance to
call you guys back -- looking forward to it -- i probably need the
directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com',
'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG 3-9573

From: Bryce Baxter 06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you
complete her feedback by end of business Wednesday? It will really help me
in the PRC process to have your input. Thanks.

');
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com',
'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as
well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King
I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey

INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com',
'david.roensch@enron.com, kimberly.watson@enron.com, michelle.loKay@enron.com', 'Postings', 'Please see the attached.

ds

');

INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com,
james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com

INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu,
gbsonna@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', 'e.hamilton@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.....
I sent you a fax of Kevin Kolb's comments on the release. The payoff on the note would be $36,248 ($36,090 (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('k..allen@enron.com', 'jacqeste@aol.com', '', 'Jacques,

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 >>

chris
x31666');

INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com', 'Centana', 'Talked to Chip. We do need Cash Committte approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490');

INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!

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

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:

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)
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/litebyztolzprint.jpg');

COMMIT;
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
}
} {24.40}
do_test fts1c-1.4 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark susan'
    }
} {40}
do_test fts1c-1.5 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'susan mark'
    }
} {40}
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 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 0 240 9 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 0 240 9 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 

do_test fts1c-4.3 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
}
}

do_test fts1c-4.4 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
}

do_test fts1c-4.5 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
}
}

do_test fts1c-4.6 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
}
}

do_test fts1c-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
}
}

do_test fts1c-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'last things'
}
}

---

Open Source Used in Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6766
SELECT snippet(email) FROM email
WHERE email MATCH 'ancillary load davis'
} } { {pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b>schedules awarded.
Variances detected.
Variances detected in <b>Load</b> schedule.

LOG MESSAGES:

PARSING <b>...</b> }

# Combinations of AND and OR operators:
#
do_test fts1c-5.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
} }
} { {matt.smith@<b>enron</b>..<b>com</b>@<b>enron</b>..<b>com</b> <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }

do_test fts1c-5.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
} }
} { {matt.smith@<b>enron</b>..<b>com</b>@<b>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:
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 '',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', 'P', 'T')),t_template VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_template IN ('Y', 'N')),t_import_id TEXT NOT NULL DEFAULT '',i_tmp INTEGER NOT NULL DEFAULT 0,r_recurrentoperation_id INTEGER NOT NULL DEFAULT 0);
CREATE TABLE operationbalance(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,f_balance FLOAT NOT NULL DEFAULT 0.0,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 DEFAULT 0,id_category INTEGER NOT NULL DEFAULT 0);
CREATE TABLE budgetrule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_category_condition TEXT NOT NULL DEFAULT '');
| 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),i_nb_times INTEGER NOT NULL DEFAULT 1 CHECK (i_nb_times>=0));
| CREATE TABLE "category" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_fullname TEXT,rd_category_id INT,t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));
| CREATE TABLE "account"(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL,t_number TEXT NOT NULL DEFAULT '',t_agency_number TEXT NOT NULL DEFAULT '',t_agency_address TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')),t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', '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,t_icon TEXT DEFAULT '',f_sortorder FLOAT,t_autostart VARCHAR(1) DEFAULT 'N' CHECK (t_autostart IN ('Y', 'N')),t_data TEXT,rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);
| CREATE TABLE vm_category_display_tmp(id INT,t_name TEXT,t_fullname TEXT,rd_category_id INT,t_bookmarked TEXT,i_NBOPERATIONS,f_REALCURRENTAMOUNT);
| CREATE TABLE vm_budget_tmp(id INT,rc_category_id INT,t_including_subcategories TEXT,f_budgeted REAL,f_budgeted_modified REAL,f_transferred REAL,i_year INT,i_month INT,t_CATEGORY);
t.PERIOD,
f.CURRENTAMOUNT,
t.RULES
);
CREATE INDEX idx_doctransaction_parent ON doctransaction (i_parent);
CREATE INDEX idx_doctransactionitem_i_object_id ON doctransactionitem (i_object_id);
CREATE INDEX idx_doctransactionitem_t_object_table ON doctransactionitem (t_object_table);
CREATE INDEX idx_doctransactionitem_t_action ON doctransactionitem (t_action);
CREATE INDEX idx_doctransactionitem_rd_doctransaction_id ON doctransactionitem (rd_doctransaction_id);
CREATE INDEX idx_doctransactionitem_optimization ON doctransactionitem (rd_doctransaction_id, i_object_id, t_object_table, t_action, id);
CREATE INDEX idx_unit_unit_id ON unitvalue(rd_unit_id);
CREATE INDEX idx_account_bank_id ON account(rd_bank_id);
CREATE INDEX idx_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_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;
CREATE TRIGGER fki_account_bank_rd_bank_id_id BEFORE INSERT ON account FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (bank est utilis par account)
Nom de la contrainte: fki_account_bank_rd_bank_id_id') WHERE NEW.rd_bank_id!=0 AND
NEW.rd_bank_id!='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL;
END;
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id BEFORE DELETE ON bank FOR EACH ROW BEGIN
  DELETE FROM account WHERE account.rd_bank_id = OLD.id;
END;
CREATE TRIGGER fki_budget_category_rc_category_id_id BEFORE INSERT ON budget FOR EACH ROW BEGIN
  SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budget)
Nom de la contrainte: fki_budget_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND
NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL;
END;
CREATE TRIGGER 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 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_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 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_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 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 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 budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par budgetrule) Nom de la contrainte: fkd_budgetrule_category_rc_category_id_target_id') WHERE (SELECT rc_category_id FROM budgetrule WHERE rc_category_id_target = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budgetrule) Nom de la contrainte: fki_budgetrule_category_rc_category_id_target_id') WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par budgetrule) Nom de la contrainte: fku_budgetrule_category_rc_category_id_target_id') WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fkd_budgetrule_category_rc_category_id_target_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par budgetrule) Nom de la contrainte: fkd_budgetrule_category_rc_category_id_target_id') WHERE (SELECT rc_category_id_target FROM budgetrule WHERE rc_category_id_target = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (category est utilis par budgetrule) Nom de la contrainte: fki_budgetrule_category_rc_category_id_target_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;
CREATE TRIGGER fku_category_category_rd_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis par category) Nom de la contrainte: fku_category_category_rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;
CREATE TRIGGER fkdc_category_category_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM category WHERE category.rd_category_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (doctransaction est utilis par doctransactionitem) Nom de la contrainte: fki_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fku_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilis par doctransactionitem) Nom de la contrainte: fku_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransactionitem_doctransaction_item_doctransaction_id_id BEFORE DELETE ON doctransactionitem FOR EACH ROW BEGIN DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON
doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d”ajouter un objet (doctransaction est utilis par doctransactionmsg)
Nom de la contrainte: fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransaction est utilis par doctransactionmsg)
Nom de la contrainte: fku_doctransactionmsg_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE DELETE ON 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 utilis 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 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)
Nom de la contrainte: fku_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_rd_account_id BEFORE DELETE ON account 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)
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 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)
Nom de la contrainte: fku_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 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)
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 utilis 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 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 utilis 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 dtruire 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 recurrentoperation 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 recurrentoperation 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 recurrentoperation SET r_recurrentoperation_id=0 WHERE r_recurrentoperation_id=OLD.id; END;

CREATE TRIGGER fki_operationbalance_operation_r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par operationbalance) Nom de la contrainte: fki_operationbalance_operation_r_operation_id_id) WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par operationbalance) Nom de la contrainte: fku_operationbalance_operation_r_operation_id_id) WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fkd_operationbalance_operation_r_operation_id_id BEFORE DELETE ON operationbalance FOR EACH ROW BEGIN UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;
CREATE TRIGGER fki_recurrentoperation_operation_rd_operation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation
est utilis par recurrentoperation)
Nom de la contrainte: fki_recurrentoperation_operation_rd_operation_id_id’ WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id='" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fk_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)
Nom de la contrainte: fk_recurrentoperation_operation_rd_operation_id_id’ WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id='" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilis par suboperation)
Nom de la contrainte: fki_suboperation_operation_rd_operation_id_id’ WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id='" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER 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)
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 fkdc_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN UPDATE suboperation SET r_category_id=0 WHERE r_category_id=OLD.id; END;
CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (refund est utilis par 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 fkdc_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_suboperation_category_r_category_id_id’ WHERE NEW.rd_operation_id!=0 AND ((SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
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 utilulis 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 utilulis 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_unit_id_rd_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN DELETE FROM unit WHERE unit.rd_unit_id = OLD.id; END;
CREATE TRIGGER fki_unitvalue_unit_rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT,'Impossible d`ajouter un objet (unit est utilulis 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 utilulis 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_unitvalue_unit_rd_unit_id_id BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN DELETE FROM unitvalue WHERE unitvalue.rd_unit_id = OLD.id; END;
CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT,'Impossible de dtruire un objet (category est utilis par vm_budget_tmp)Nom de la contrainte: fkd_vm_budget_tmp_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkdc_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM vm_category_display_tmp WHERE vm_category_display_tmp.rd_category_id = OLD.id; END;
CREATE VIEW v_unit_displayname AS SELECT *, t_name||' ('||t_symbol||')' AS t_displayname FROM unit;
CREATE VIEW v_unit_tmp1 AS SELECT *,(SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN '' ELSE (SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit 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 IFNULL((SELECT s.f_quantity FROM unitvalue s WHERE s.rd_unit_id=v_unit_tmp1.id AND s.d_date=v_unit_tmp1.d_MAXDATE),1) END AS f_LASTVALUE from v_unit_tmp1;
CREATE VIEW v_unit AS SELECT *,v_unit_tmp2.f_LASTVALUE*IFNULL((SELECT s2.f_LASTVALUE FROM v_unit_tmp2 s2 WHERE s2.id=v_unit_tmp2.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_unitvalue AS SELECT * FROM unitvalue;
CREATE VIEW v_suboperation AS SELECT * FROM suboperation;
CREATE VIEW v_operation_numbers AS SELECT DISTINCT i_number, rd_account_id FROM operation;
CREATE VIEW v_operation_next_numbers AS SELECT T1.i_number+1 AS i_number FROM v_operation_numbers AS T1 LEFT OUTER JOIN v_operation_numbers T2 ON T2.rd_account_id=T1.rd_account_id AND T2.i_number=T1.i_number+1 WHERE T1.i_number!=0 AND (T2.i_number IS NULL) ORDER BY T1.i_number;
CREATE VIEW v_operation_tmp1 AS SELECT *,(SELECT 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_tmp1.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.rd_account_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_account_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 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) AS f_CURRENTAMOUNT FROM v_operation;
CREATE VIEW v_operation_delete AS SELECT *, (CASE WHEN t_status='Y' THEN 'Vous n’êtes pas autorisés à supprimer cette opération car en attente de rapprochement' END) t_delete_message FROM operation;
CREATE VIEW v_account AS SELECT *,(SELECT MAX(s.d_date) FROM  interest s WHERE s.rd_account_id=account.id) AS d_MAXDATE, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=account.id AND s.t_template='N') AS f_CURRENTAMOUNT FROM account;
CREATE VIEW v_account_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE rd_account_id=account.id AND d_date<>'0000-00-00' AND t_template='N' AND t_status='Y') THEN 'Vous n’êtes pas autorisés à supprimer ce compte car il contient des opérations rapprochées' END) t_delete_message FROM account;
CREATE VIEW v_bank AS SELECT *,(SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_account s WHERE s.rd_bank_id=bank.id) AS f_CURRENTAMOUNT FROM bank;
CREATE VIEW v_category AS SELECT * FROM category;
CREATE VIEW v_recurrentoperation AS SELECT *,i_period_increment||' '||(CASE t_period_unit WHEN 'Y' THEN 'année(s)' WHEN 'M' THEN 'mois' WHEN 'W' THEN 'semaine(s)' ELSE 'jour(s)' END) AS t_PERIODNLS FROM recurrentoperation;
CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||''||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;
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 AND 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_REALFUND AS t_REALFUND, 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 "'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
FROM v_operation_display_all AS op, v_suboperation_display
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_PROPPNAME, p.t_value AS i_PROPVALUE, op.* FROM v_operation_consolidated AS op LEFT OUTER JOIN parameters AS p ON p.t_uuid_parent=op.id||'-operation';
CREATE VIEW v_refund_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE r_refund_id=refund.id AND t_status='Y') THEN 'Vous n''tes pas autoris  dtruire ce suiveur car utilis par des oprations rapproches' 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 AND o.t_template='N') AS f_REALCURRENTAMOUNT 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''tes pas autoris  dtruire ce tiers car utilis par des oprations rapproches' 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''tes pas autoris  dtruire cette categorie car utilise par des oprations rapproches' 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 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' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD,
  WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dpense' 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_target),'') AS t_CATEGORY,
  WHEN budgetrule.i_condition=-1 THEN 'Ngatif' WHEN budgetrule.i_condition=1 THEN 'Positif' WHEN budgetrule.i_condition=0 THEN 'Tous' END) AS t_WHENNLS,
  (CASE WHEN budgetrule.t_absolute='N' THEN '%' ELSE (SELECT t_symbol FROM unit WHERE t_type='1') END) AS t_WHATNLS,
  (CASE WHEN budgetrule.t_rule='N' THEN 'Suivant' WHEN budgetrule.t_rule='C' THEN 'Courant' WHEN budgetrule.t_rule='Y' THEN 'Anne' END) AS t_RULENLS FROM budgetrule;
CREATE VIEW v_budgetrule_display AS
SELECT * FROM v_budgetrule;
CREATE VIEW v_budgetrule_displayname AS
SELECT *
  , t_WHENNLS||' '||t_WHATNLS||' '||t_RULENLS||' '||t_CATEGORY AS t_displayname FROM v_budgetrule;
CREATE VIEW v_budget_tmp AS
SELECT *
  , IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budget.rc_category_id),'') AS t_CATEGORY,
  (i_year||(CASE WHEN i_month=0 THEN '' WHEN i_month<10 THEN '-0'||i_month ELSE '-'||i_month END)) AS t_PERIOD,
  (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.id_category 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_DELTAFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA
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 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=new.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,
"mfo:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER,
"mfo:locallink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER, "mfo:optional:graph" INTEGER);
CREATE TABLE "mfo:FeedChannel" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:updatedTime" INTEGER, "mfo:updatedTime:graph" INTEGER,
"mfo:updatedTime:localDate" INTEGER, "mfo:updatedTime:localTime" INTEGER, "mfo:unreadCount" INTEGER, "mfo:unreadCount:graph" INTEGER,
"mfo:totalCount" INTEGER, "mfo:totalCount:graph" INTEGER, "mfo:action" INTEGER, "mfo:action:graph" INTEGER, "mfo:type" INTEGER,
"mfo:type: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:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:updateInterval" INTEGER, "mfo:updateInterval:graph" INTEGER,
"mfo:expiryInterval" INTEGER, "mfo:expiryInterval:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
CREATE TABLE "mfo:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:updateInterval" INTEGER, "mfo:updateInterval:graph" INTEGER,
"mfo:expiryInterval" INTEGER, "mfo:expiryInterval: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:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL, "mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL, "mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL, "mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp:graph" INTEGER);
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);
<table>
<thead>
<tr>
<th>Create Table</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>mlo:Landmark_mlo:belongsToCategory</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:belongsToCategory&quot; INTEGER NOT NULL, &quot;mlo:belongsToCategory:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:Landmark_mlo:poiLocation</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:poiLocation&quot; INTEGER NOT NULL, &quot;mlo:poiLocation:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:LocationBoundingBox</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:LocationBoundingBox_mlo:boxEastLimit</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:boxEastLimit&quot; INTEGER NOT NULL, &quot;mlo:boxEastLimit:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:LocationBoundingBox_mlo:boxNorthLimit</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:boxNorthLimit&quot; INTEGER NOT NULL, &quot;mlo:boxNorthLimit:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:LocationBoundingBox_mlo:boxSouthWestCorner</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:boxSouthWestCorner&quot; INTEGER NOT NULL, &quot;mlo:boxSouthWestCorner:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:LocationBoundingBox_mlo:boxVerticalLimit</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:boxVerticalLimit&quot; INTEGER NOT NULL, &quot;mlo:boxVerticalLimit:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:PointOfInterest</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:Route</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mlo:Route_mlo:endTime</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:endTime&quot; INTEGER NOT NULL, &quot;mlo:endTime:graph&quot; INTEGER, &quot;mlo:endTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:endTime:localTime&quot; INTEGER NOT NULL);</td>
</tr>
<tr>
<td>mlo:Route_mlo:routeDetails</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:routeDetails&quot; TEXT NOT NULL, &quot;mlo:routeDetails:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mlo:Route_mlo:startTime</td>
<td>(ID INTEGER NOT NULL, &quot;mlo:startTime&quot; INTEGER NOT NULL, &quot;mlo:startTime:graph&quot; INTEGER, &quot;mlo:startTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:startTime:localTime&quot; INTEGER NOT NULL);</td>
</tr>
<tr>
<td>mto:DownloadTransfer</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mto:State</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mto:SyncTransfer</td>
<td>(ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
</tbody>
</table>
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, "ncal:attachmentContent:graph" INTEGER);
CREATE TABLE "ncal:AttachmentEncoding" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Attendee" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:delegatedTo" INTEGER, "ncal:delegatedTo:graph" INTEGER,
"ncal:delegatedFrom" INTEGER, "ncal:delegatedFrom:graph" INTEGER,
"ncal:cutype" INTEGER, "ncal:cutype:graph" INTEGER, "ncal:member" INTEGER,
"ncal:member:graph" INTEGER, "ncal:role" INTEGER, "ncal:role:graph" INTEGER,
"ncal:rsvp" INTEGER, "ncal:rsvp:graph" INTEGER, "ncal:partstat" INTEGER, "ncal:partstat:graph" INTEGER);
CREATE TABLE "ncal:AttendeeOrOrganizer" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "ncal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:BydayRulePart" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:BydayRulePart_ncal:bydayModifier" (ID INTEGER NOT NULL, "ncal:bydayModifier" INTEGER NOT NULL, "ncal:bydayModifier:graph" INTEGER);
CREATE TABLE "ncal:BydayRulePart_ncal:bydayWeekday" (ID INTEGER NOT NULL, "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:Freebusy" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:FreebusyPeriod" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:fbtype" INTEGER, "ncal:fbtype:graph" INTEGER);
CREATE TABLE "ncal:FreebusyType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Freebusy_ncal:freebusy" (ID INTEGER NOT NULL, "ncal:freebusy" INTEGER NOT NULL, "ncal:freebusy:graph" INTEGER);
CREATE TABLE "ncal:Journal" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:journalStatus" INTEGER, "ncal:journalStatus:graph" INTEGER);
CREATE TABLE "ncal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:NcalDateTime" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:ncalTimezone" INTEGER, "ncal:ncalTimezone:graph" INTEGER, "ncal:date" INTEGER, "ncal:date:graph" INTEGER, "ncal:date:localDate" INTEGER, "ncal:date:localTime" INTEGER, "ncal:dateTime" INTEGER, "ncal:dateTime:graph" INTEGER, "ncal:dateTime:localDate" INTEGER, "ncal:dateTime:localTime" INTEGER);
CREATE TABLE "ncal:NcalTimeEntity" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Todo" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:percentComplete" INTEGER, "ncal:percentComplete:graph" INTEGER,
"ncal:completed" INTEGER, "ncal:completed:graph" INTEGER,
"ncal:completed:localDate" INTEGER, "ncal:completed:localTime" INTEGER,
"ncal:todoStatus" INTEGER, "ncal:todoStatus:graph" INTEGER,
"ncal:due" INTEGER, "ncal:due:graph" INTEGER);
CREATE TABLE "ncal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Trigger" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:related" INTEGER, "ncal:related:graph" INTEGER,
"ncal:triggerDateTime" INTEGER, "ncal:triggerDateTime:graph" INTEGER,
"ncal:triggerDateTime:localDate" INTEGER, "ncal:triggerDateTime:localTime" INTEGER,
"ncal:triggerDuration" INTEGER, "ncal:triggerDuration:graph" INTEGER);
CREATE TABLE "ncal:TriggerRelation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:UnionParentClass" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:lastModified" INTEGER, "ncal:lastModified:graph" INTEGER,
"ncal:lastModified:localDate" INTEGER, "ncal:lastModified:localTime" INTEGER,
"ncal:trigger" INTEGER, "ncal:trigger:graph" INTEGER,
"ncal:created" INTEGER, "ncal:created:graph" INTEGER,
"ncal:created:localDate" INTEGER, "ncal:created:localTime" INTEGER,
"ncal:url" INTEGER, "ncal:url:graph" INTEGER, "ncal:comment" TEXT COLLATE NOCASE,
"ncal:comment:graph" INTEGER, "ncal:summaryAltRep" INTEGER,
"ncal:summaryAltRep:graph" INTEGER, "ncal:priority" INTEGER,
"ncal:priority:graph" INTEGER, "ncal:location" TEXT COLLATE NOCASE,
"ncal:location:graph" INTEGER, "ncal:uid" TEXT COLLATE NOCASE,
"ncal:uid:graph" INTEGER, "ncal:requestStatus" INTEGER,
"ncal:requestStatus:graph" INTEGER, "ncal:recurrenceId" INTEGER,
"ncal:recurrenceId:graph" INTEGER, "ncal:dtstamp" INTEGER,
"ncal:dtstamp:graph" INTEGER, "ncal:dtstamp:localDate" INTEGER,
"ncal:dtstamp:localTime" INTEGER, "ncal:class" INTEGER,
"ncal:class:graph" INTEGER, "ncal:organizer" INTEGER,
"ncal:organizer:graph" INTEGER, "ncal:dtend" INTEGER,
"ncal:dtend:graph" INTEGER, "ncal:summary" TEXT COLLATE NOCASE,
"ncal:summary:graph" INTEGER, "ncal:descriptionAltRep" INTEGER,
"ncal:descriptionAltRep:graph" INTEGER, "ncal:commentAltRep" INTEGER,
"ncal:commentAltRep:graph" INTEGER, "ncal:sequence" INTEGER,
"ncal:sequence:graph" INTEGER, "ncal:contact" TEXT COLLATE NOCASE,
"ncal:contact:graph" INTEGER, "ncal:contactAltRep" INTEGER,
"ncal:contactAltRep:graph" INTEGER, "ncal:locationAltRep" INTEGER,
"ncal:locationAltRep:graph" INTEGER, "ncal:geo" INTEGER,
"ncal:geo:graph" INTEGER, "ncal:resourcesAltRep" INTEGER,
"ncal:resourcesAltRep:graph" INTEGER, "ncal:dtstart" INTEGER,
"ncal:dtstart:graph" INTEGER, "ncal:description" TEXT COLLATE NOCASE,
"ncal:description:graph" INTEGER, "ncal:relatedToSibling" TEXT COLLATE NOCASE,
| 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:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE "nco:CarPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE "nco:CellPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:fullname" TEXT COLLATE NOCASE, "nco:fullname:graph" INTEGER, "nco:contactUID" TEXT COLLATE NOCASE, "nco:contactLocalUID" TEXT COLLATE NOCASE, "nco:contactLocalUID:graph" INTEGER); |
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:ContactList_nco:containsContact" (ID INTEGER NOT NULL, "nco:containsContact" INTEGER NOT NULL, "nco:containsContact: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:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note:graph" INTEGER);
CREATE TABLE "nco:Contact_scal:anniversary" (ID INTEGER NOT NULL, "scal:anniversary" INTEGER NOT NULL, "scal:anniversary:graph" INTEGER);
CREATE TABLE "nco:Contact_scal:birthday" (ID INTEGER NOT NULL, "scal:birthday" INTEGER NOT NULL, "scal:birthday:graph" INTEGER);
CREATE TABLE "nco:DomesticDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:EmailAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:emailAddress" TEXT COLLATE NOCASE UNIQUE, "nco:emailAddress:graph" INTEGER);
CREATE TABLE "nco:FaxNumber" (ID INTEGER NOT NULL PRIMARY KEY);
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:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER, "nco:country" TEXT COLLATE NOCASE, "nco:country:graph" INTEGER, "nco:extendedAddress" TEXT COLLATE NOCASE, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER, "nco:country" TEXT COLLATE NOCASE, "nco:country:graph" INTEGER, "nco:extendedAddress" TEXT COLLATE NOCASE, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY, "nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER, "nco:country" TEXT COLLATE NOCASE, "nco:country:graph" INTEGER, "nco:extendedAddress" TEXT COLLATE NOCASE, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation: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: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:Audio" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:channels" INTEGER, "nfo:channels:graph" INTEGER, "nfo:sideChannels" INTEGER, "nfo:sideChannels:graph" INTEGER, "nfo:lfeChannels" INTEGER, "nfo:lfeChannels:graph" INTEGER,
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, "nfo:fileLastAccessed" INTEGER, "nfo:fileLastAccessed:graph" INTEGER, "nfo:fileCreated" INTEGER, "nfo:fileCreated:graph" INTEGER, "nfo:fileSize" INTEGER);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL PRIMARY KEY, "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:Equipment" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:equipmentSoftware" TEXT COLLATE NOCASE, "nfo:equipmentSoftware:graph" INTEGER);
CREATE TABLE "nfo:Executable" (ID INTEGER NOT NULL PRIMARY KEY);
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, "nfo:fileLastAccessed" INTEGER, "nfo:fileLastAccess:graph" INTEGER, "nfo:fileCreated" INTEGER, "nfo:fileCreated:graph" INTEGER, "nfo:fileSize" 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);
CREATE TABLE "nfo:Font" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph" INTEGER, "nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
CREATE TABLE "nfo:HardDiskPartition" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HelpDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:HtmlDocument" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Icon" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Image" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:verticalResolution" INTEGER, "nfo:verticalResolution:graph" INTEGER, "nfo:horizontalResolution" INTEGER, "nfo:horizontalResolution:graph" INTEGER, "nfo:orientation" INTEGER, "nfo:orientation:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:depicts" (ID INTEGER NOT NULL, "nfo:depicts" INTEGER NOT NULL, "nfo:depicts:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:hasRegionOfInterest" (ID INTEGER NOT NULL, "nfo:hasRegionOfInterest" INTEGER NOT NULL, "nfo:hasRegionOfInterest:graph" INTEGER);
CREATE TABLE "nfo:MediaFileListEntry" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:listPosition" REAL, "nfo:listPosition:graph" INTEGER, "nfo:entryUrl" TEXT COLLATE NOCASE, "nfo:entryUrl:graph" INTEGER);
CREATE TABLE "nfo:MediaList" (ID INTEGER NOT NULL PRIMARY KEY, "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:regionOfInterestType:graph" INTEGER, "nfo:roiRefersTo" INTEGER, "nfo:roiRefersTo:graph" INTEGER);
CREATE TABLE "nfo:RegionOfInterestContent" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemoteDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:RemotePortAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Software" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:conflicts" INTEGER, "nfo:conflicts:graph" INTEGER, "nfo:supercedes" INTEGER, "nfo:supercedes:graph" INTEGER, "nfo:softwareIcon" INTEGER, "nfo:softwareIcon:graph" INTEGER, "nfo:softwareCmdLine" TEXT COLLATE NOCASE, "nfo:softwareCmdLine:graph" INTEGER);
CREATE TABLE "nfo:SoftwareApplication" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:SoftwareCategory" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:softwareCategoryIcon" INTEGER, "nfo:softwareCategoryIcon:graph" INTEGER);
CREATE TABLE "nfo:SoftwareItem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Spreadsheet" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:TextDocument" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:wordCount" INTEGER, "nfo:wordCount:graph" INTEGER, "nfo:lineCount" INTEGER, "nfo:lineCount:graph" INTEGER, "nfo:characterCount" INTEGER, "nfo:characterCount:graph" INTEGER);
CREATE TABLE "nfo:Trash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:VectorImage" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:frameRate" REAL, "nfo:frameRate:graph" INTEGER, "nfo:frameCount" INTEGER, "nfo:frameCount:graph" INTEGER, "nfo:averageVideoBitrate" REAL, "nfo:averageVideoBitrate:graph" INTEGER);
CREATE TABLE "nfo:WebHistory" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:domain" TEXT COLLATE NOCASE, "nfo:domain:graph" INTEGER, "nfo:uri" TEXT COLLATE NOCASE, "nfo:uri:graph" INTEGER);
CREATE TABLE "nfo:Website" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nid3:ID3Audio_nid3:leadArtist" (ID INTEGER NOT NULL,
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);
"nco:publisher" INTEGER, "nco:publisher:graph" INTEGER,
"nfo:isContentEncrypted" INTEGER, "nfo:isContentEncrypted:graph" INTEGER, "slo:location" INTEGER, "slo:location:graph" INTEGER,
"nfo:isBootable" INTEGER, "nfo:isBootable:graph" INTEGER, "osinfo:id" TEXT COLLATE NOCASE, "osinfo:id:graph" INTEGER, "osinfo:mediaId" TEXT COLLATE NOCASE, "osinfo:mediaId:graph" INTEGER);
CREATE TABLE "nie:InformationElement_mlo:location" (ID INTEGER NOT NULL, "mlo:location" INTEGER NOT NULL, "mlo:location:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nao:hasProperty" (ID INTEGER NOT NULL, "nao:hasProperty" INTEGER NOT NULL, "nao:hasProperty:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:contributor" (ID INTEGER NOT NULL, "nco:contributor" INTEGER NOT NULL, "nco:contributor:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nco:creator" (ID INTEGER NOT NULL, "nco:creator" INTEGER NOT NULL, "nco:creator:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasLogicalPart" (ID INTEGER NOT NULL, "nie:hasLogicalPart" INTEGER NOT NULL, "nie:hasLogicalPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:hasPart" (ID INTEGER NOT NULL, "nie:hasPart" INTEGER NOT NULL, "nie:hasPart:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:informationElementDate" (ID INTEGER NOT NULL, "nie:informationElementDate" INTEGER NOT NULL, "nie:informationElementDate:graph" INTEGER, "nie:informationElementDate:localDate" INTEGER NOT NULL, "nie:informationElementDate:localTime" INTEGER NOT NULL);
CREATE TABLE "nie:InformationElement_nie:isLogicalPartOf" (ID INTEGER NOT NULL, "nie:isLogicalPartOf" INTEGER NOT NULL, "nie:isLogicalPartOf:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:keyword" (ID INTEGER NOT NULL, "nie:keyword" TEXT NOT NULL, "nie:keyword:graph" INTEGER);
CREATE TABLE "nie:InformationElement_nie:relatedTo" (ID INTEGER NOT NULL, "nie:relatedTo" INTEGER NOT NULL, "nie:relatedTo:graph" INTEGER);
CREATE TABLE "nmm:AnalogRadio" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:modulation" INTEGER, "nmm:modulation:graph" INTEGER, "nmm:frequency" INTEGER, "nmm:frequency:graph" INTEGER);
CREATE TABLE "nmm:Artist" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:artistName" TEXT COLLATE NOCASE, "nmm:artistName:graph" INTEGER);
CREATE TABLE "nmm:Flash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:ImageList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MeteringMode" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MusicAlbum" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:albumDiscAlbum" INTEGER, "nmm:musicCDIdentifier" TEXT COLLATE NOCASE, "nmm:setNumber" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL, "nmm:lyrics" INTEGER NOT NULL, "nmm:lyrics:graph" INTEGER);
CREATE TABLE "nmm:Photo" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:exposureTime" REAL, "nmm:flash" INTEGER, "nmm:fnumber" REAL, "nmm:focalLength" REAL, "nmm:isoSpeed" REAL, "nmm:meteringMode" INTEGER, "nmm:isCropped" INTEGER, "nmm:isColorCorrected" INTEGER, "nmm:isForHearingImpaired" 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:radioPTY" INTEGER);
CREATE TABLE "nmm:SynchronizedText" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:isForHearingImpaired" INTEGER);
CREATE TABLE "nmm:Video" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:videoAlbum" 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,
"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: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:deliveryStatus" INTEGER, "nmo:deliveryStatus:graph" INTEGER,
  "nmo:reportDelivery" INTEGER, "nmo:reportDelivery:graph" INTEGER,
  "nmo:sentWithReportRead" INTEGER, "nmo:sentWithReportRead:graph"
  INTEGER, "nmo:reportReadStatus" INTEGER, "nmo:reportReadStatus:graph"
  INTEGER, "nmo:mustAnswerReportRead" INTEGER,
  "nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE
  NOCASE, "nmo:mmsId:graph" INTEGER);
CREATE TABLE "nmo:MessageHeader" (ID INTEGER NOT NULL PRIMARY KEY,
  "nmo:headerName" TEXT COLLATE NOCASE, "nmo:headerName:graph"
  INTEGER, "nmo:headerValue" TEXT COLLATE NOCASE, "nmo:headerValue:graph"
  INTEGER);
CREATE TABLE "nmo:Message_nmo:bcc" (ID INTEGER NOT NULL, "nmo:bcc"
  INTEGER NOT NULL, "nmo:bcc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL, "nmo:cc"
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 "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 NOT NULL, "nmo:containsPhoneMessage" 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" (ID INTEGER NOT NULL PRIMARY KEY,
    "rdfs:domain" INTEGER, "rdfs:domain:graph" INTEGER, "rdfs:range" INTEGER,
    "rdfs:range:graph" INTEGER, "tracker:indexed" INTEGER,
    "tracker:indexed:graph" INTEGER, "tracker:secondaryIndex" INTEGER,
    "tracker:secondaryIndex:graph" INTEGER, "tracker:fulltextIndexed" INTEGER,
    "tracker:fulltextNoLimit" INTEGER, "tracker:fulltextNoLimit:graph" INTEGER,
    "tracker:transient" INTEGER, "tracker:transient:graph" INTEGER,
    "tracker:weight" INTEGER, "tracker:weight:graph" INTEGER,
    "tracker:defaultValue" TEXT COLLATE NOCASE,
    "tracker:defaultValue:graph" INTEGER, "nrl:maxCardinality" INTEGER,
    "nrl:maxCardinality:graph" INTEGER, "tracker:writeback" INTEGER,
    "tracker:writeback:graph" INTEGER, "tracker:forceJournal" INTEGER,
    "tracker:forceJournal:graph" INTEGER);
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" (ID INTEGER NOT NULL PRIMARY KEY,
    Available INTEGER NOT NULL, "rdfs:comment" TEXT COLLATE NOCASE,
    "rdfs:comment:graph" INTEGER, "rdfs:label" TEXT COLLATE NOCASE,
    "rdfs:label:graph" INTEGER, "tracker:added" INTEGER,
    "tracker:added:graph" INTEGER, "tracker:added:localDate" INTEGER,
    "tracker:added:localTime" INTEGER, "tracker:modified" INTEGER,
    "tracker:modified:graph" INTEGER, "tracker:damaged" INTEGER,
    "tracker:damaged:graph" INTEGER, "dc:title" TEXT COLLATE NOCASE,
    "dc:title:graph" INTEGER, "dc:creator" TEXT COLLATE NOCASE,
    "dc:creator:graph" INTEGER, "dc:subject" TEXT COLLATE NOCASE,
    "dc:subject:graph" INTEGER, "dc:description" TEXT COLLATE NOCASE,
    "dc:description:graph" INTEGER, "dc:publisher" TEXT COLLATE NOCASE,
    "dc:publisher:graph" INTEGER, "dc:type" TEXT COLLATE NOCASE,
    "dc:type:graph" INTEGER, "dc:format" TEXT COLLATE NOCASE,
    "dc:format:graph" INTEGER, "dc:identifier" TEXT COLLATE NOCASE,
    "dc:identifier:graph" INTEGER, "dc:language" TEXT COLLATE NOCASE,
    "dc:language:graph" INTEGER, "dc:coverage" TEXT COLLATE NOCASE,
    "dc:coverage:graph" INTEGER, "dc:rights" TEXT COLLATE NOCASE,
    "dc:rights:graph" INTEGER, "nao:identifier" TEXT COLLATE NOCASE,
"nao:identifier:graph" INTEGER, "nao:numericRating" REAL,
"nao:numericRating:graph" INTEGER, "nao:lastModified" INTEGER,
"nao:lastModified:graph" INTEGER, "nao:lastModified:localDate"
INTEGER, "nao:lastModified:localTime" INTEGER);
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"
INTEGER, "scal:attendeeRole" INTEGER, "scal:attendeeRole:graph"
INTEGER, "scal:attendeeContact" INTEGER, "scal:attendeeContact:graph"
INTEGER, "scal:rsvp" INTEGER, "scal:rsvp:graph" INTEGER,
"scal:calendarUserType" INTEGER, "scal:calendarUserType:graph"
INTEGER);
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,
"scal:alarmOffset" INTEGER, "scal:alarmOffset:graph" INTEGER);
CREATE TABLE "scal:CalendarAlarm" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:calendarUserType" INTEGER, "scal:calendarUserType:graph"
INTEGER);
"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,
"scal:eventStatus" INTEGER, "scal:eventStatus:graph" INTEGER);
CREATE TABLE "scal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Journal" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:journalStatus" INTEGER, "scal:journalStatus:graph" INTEGER);
CREATE TABLE "scal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RSVPValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:recurrencePattern" TEXT COLLATE NOCASE,
"scal:recurrencePattern:graph" INTEGER, "scal:recurrenceStartDate"
INTEGER, "scal:recurrenceStartDate:graph" INTEGER, "scal:exception"
INTEGER, "scal:exception:graph" INTEGER);
CREATE TABLE "scal:TimePoint" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:dateTime" INTEGER, "scal:dateTime:graph" INTEGER,
"scal:dateTime:localDate" INTEGER, "scal:dateTime:localTime" INTEGER,
"scal:TimeZone" TEXT COLLATE NOCASE, "scal:TimeZone:graph" INTEGER);
CREATE TABLE "scal:Todo" (ID INTEGER NOT NULL PRIMARY KEY,
"scal:todoStatus" INTEGER, "scal:todoStatus:graph" INTEGER, "scal:due"
INTEGER, "scal:due:graph" INTEGER, "scal:completed" INTEGER,
"scal:completed:graph" INTEGER, "scal:percentComplete" INTEGER,
"scal:percentComplete:graph" INTEGER);
CREATE TABLE "scal:TodoStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:TransparencyValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "slo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE INDEX "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" (ID, 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" (ID, 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" (ID, ID);
CREATE INDEX "mlo:GeoPoint_mlo:address_ID_ID" ON "mlo:GeoPoint_mlo:address" (ID, "mlo:address");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:address_ID_ID" ON "mlo:GeoPoint_mlo:address" (ID, "mlo:address");
CREATE INDEX "mlo:GeoPoint_mlo:altitude_ID_ID" ON "mlo:GeoPoint_mlo:altitude" (ID, "mlo:altitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:altitude_ID_ID" ON "mlo:GeoPoint_mlo:altitude" (ID, "mlo:altitude");
CREATE INDEX "mlo:GeoPoint_mlo:city_ID_ID" ON "mlo:GeoPoint_mlo:city" (ID, "mlo:city");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:city_ID_ID" ON "mlo:GeoPoint_mlo:city" (ID, "mlo:city");
CREATE INDEX "mlo:GeoPoint_mlo:country_ID_ID" ON "mlo:GeoPoint_mlo:country" (ID, "mlo:country");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:country_ID_ID" ON "mlo:GeoPoint_mlo:country" (ID, "mlo:country");
CREATE INDEX "mlo:GeoPoint_mlo:latitude_ID_ID" ON "mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:latitude_ID_ID" ON "mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE INDEX "mlo:GeoPoint_mlo:longitude_ID_ID" ON "mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:longitude_ID_ID" ON "mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE INDEX "mlo:GeoPoint_mlo:state_ID_ID" ON "mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:state_ID_ID" ON "mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE INDEX "mlo:GeoPoint_mlo:timestamp_ID_ID" ON "mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:timestamp_ID_ID" ON "mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE INDEX "mlo:GeoSphere_mlo:radius_ID_ID" ON "mlo:GeoSphere_mlo:radius" (ID, "mlo:radius");
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: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: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: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: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: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:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday" ON "ncal:RecurrenceRule_ncal:byyearday"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach" ON "ncal:UnionParentClass_ncal:attach"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee" ON "ncal:UnionParentClass_ncal:attendee"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories" ON "ncal:UnionParentClass_ncal:categories"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate" ON "ncal:UnionParentClass_ncal:exdate"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exrule" ON "ncal:UnionParentClass_ncal:exrule"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:hasAlarm" ON "ncal:UnionParentClass_ncal:hasAlarm"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:ncalRelation" ON "ncal:UnionParentClass_ncal:ncalRelation"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rdate" ON "ncal:UnionParentClass_ncal:rdate"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToChild" ON "ncal:UnionParentClass_ncal:relatedToChild"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToParent" ON "ncal:UnionParentClass_ncal:relatedToParent"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:resources" ON "ncal:UnionParentClass_ncal:resources"
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule" ON "ncal:UnionParentClass_ncal:rrule"
CREATE UNIQUE INDEX "nco:Affiliation_nco:title" ON "nco:Affiliation_nco:title"
CREATE UNIQUE INDEX "nco:ContactList_nco:containsContact" ON "nco:ContactList_nco:containsContact"
CREATE UNIQUE INDEX "nco:Contact_ncal:anniversary" ON "nco:Contact_ncal:anniversary"
CREATE UNIQUE INDEX "nco:Contact_ncal:birthday" ON "nco:Contact_ncal:birthday"
CREATE UNIQUE INDEX "nco:Contact_nco:belongsToGroup" ON "nco:Contact_nco:belongsToGroup"
CREATE UNIQUE INDEX "nco:Contact_nco:note" ON "nco:Contact_nco:note"
CREATE UNIQUE INDEX "nco:Contact_scal:anniversary" ON "nco:Contact_scal:anniversary"
CREATE UNIQUE INDEX "nco:Contact_scal:birthday" ON "nco:Contact_scal:birthday"
CREATE UNIQUE INDEX "nco:IMAccount_nco:hasIMContact" ON "nco:IMAccount_nco:hasIMContact"
CREATE UNIQUE INDEX "nco:IMAddress_nco:imCapability" ON "nco:IMAddress_nco:imCapability"
CREATE UNIQUE INDEX "nco:PersonContact_nco:hasAffiliation" ON "nco:PersonContact_nco:hasAffiliation"
CREATE INDEX "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");
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: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_nie:title" 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"
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attachment_ID_ID" ON "scal:CalendarItem_scal:attachment" (ID, "scal:attachment");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attendee_ID_ID" ON "scal:CalendarItem_scal:attendee" (ID, "scal:attendee");
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:hasAffiliation2"."nco:hasAffiliation" AS "2_u", "nco:role_nco:hasIMAddress3"."nco:hasIMAddress" AS "3_u" FROM "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation2" AS "2_u", "nco:role_nco:hasIMAddress3"."nco:hasIMAddress3" AS "3_u" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" =
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation10" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation10","ID")}, (SELECT
GROUP_CONCAT("nco:note"",'') FROM "nco:Contact_nco:note" WHERE ID
= "1_u"). (SELECT "nco:gender" FROM "nco:PersonContact" WHERE ID
= "1_u"). (SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE||COALESCE((SELECT "nco:pobox" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:district" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:county" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:locality" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:postalcode" FROM 
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE
NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:streetAddress"
FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ?
COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:addressLocation"
FROM Resource WHERE ID = (SELECT "nco:addressLocation" FROM 
"nco:PostalAddress" WHERE ID = "7_u")), ? COLLATE NOCASE)||?
COLLATE NOCASE||COALESCE((SELECT "nco:extendedAddress" FROM 
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE
NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:country" FROM 
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE
NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:region" FROM 
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE
NOCASE), 

"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation“ AS
"2_u", "nco:Role_nco:hasPostalAddress12","nco:hasPostalAddress"
AS "7_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation11”,
"nco:Role_nco:hasPostalAddress" AS
"nco:Role_nco:hasPostalAddress12" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation11","ID" AND
"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation“ =
"nco:Role_nco:hasPostalAddress12","ID")}, (SELECT
GROUP_CONCAT(“10_u” COLLATE NOCASE, ‘) FROM (SELECT
"nie:InformationElement_nao:hasProperty13","nao:hasProperty“ AS
"8_u", "nao:Property14","nao:propertyName" AS "9_u",
"nco:Property14","nco:propertyValue" AS "10_u" FROM
"nie:InformationElement_nao:hasProperty“ AS
"nie:InformationElement_nao:hasProperty13”, "nco:Property“ AS
"nco:Property14" WHERE "1_u" =
"nie:InformationElement_nao:hasProperty13","ID" AND
"nie:InformationElement_nao:hasProperty13","nco:hasProperty“ =
"nco: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):
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procset Adobe_CoolType_Utility_MAKEOCF 1.23 0
procset Adobe_CoolType_Utility_T42 1.0 0
procset Adobe_AGM_Image 1.0 0

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* %%%BeginResource
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/*
** 2004 May 22
**
** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
** May you do good and not evil.
** May you find forgiveness for yourself and forgive others.
** May you share freely, never taking more than you give.
**
******************************************************************************
**
** This file contains the VFS implementation for unix-like operating systems
** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
**
** There are actually several different VFS implementations in this file.
** The differences are in the way that file locking is done. The default
** implementation uses Posix Advisory Locks. Alternative implementations
** use flock(), dot-files, various proprietary locking schemas, or simply
** skip locking all together.
**
** This source file is organized into divisions where the logic for various
** subfunctions is contained within the appropriate division. PLEASE
** KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed
** in the correct division and should be clearly labeled.
**
** The layout of divisions is as follows:
**
** * General-purpose declarations and utility functions.
** * Unique file ID logic used by VxWorks.
** * Various locking primitive implementations (all except proxy locking):
**   + for Posix Advisory Locks
**   + for no-op locks
**   + for dot-file locks
**   + for flock() locking
**   + for named semaphore locks (VxWorks only)
**   + for AFP filesystem locks (MacOSX only)
**   + sqlite3_file methods not associated with locking.
**   + Definitions of sqlite3_io_methods objects for all locking
**     methods plus "finder" functions for each locking method.
**   + sqlite3_vfs method implementations.
**   + Locking primitives for the proxy uber-locking-method. (MacOSX only)
**   + Definitions of sqlite3_vfs objects for all locking methods
**   + plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/

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</p>
is free to use SQLite from multiple threads, but it must make sure
** 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_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 simulations memory allocation failure or
** tracks memory usage, for example. </dd>
**
** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>
** <dd> ^(This option takes single argument of type int, interpreted as a
** boolean, which enables or disables the collection of memory allocation
** statistics. ^(When memory allocation statistics are disabled, the
** following SQLite interfaces become non-operational:
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.

This option specifies a static memory buffer that SQLite can use for scratch memory. There are three arguments: A pointer an 8-byte aligned memory buffer from which the scratch allocations will be drawn, the size of each scratch allocation (sz), and the maximum number of scratch allocations (N). The sz argument must be a multiple of 16.

The first argument must be a pointer to an 8-byte aligned buffer of at least sz*N bytes of memory.

SQLite will use no more than two scratch buffers per thread. So N should be set to twice the expected maximum number of threads.

SQLite will never require a scratch buffer that is more than 6 times the database page size. If SQLite needs needs additional scratch memory beyond what is provided by this configuration option, then [sqlite3_malloc()] will be used to obtain the memory needed.

This option specifies a static memory buffer that SQLite can use for the database page cache with the default page cache implementation. This configuration should not be used if an application-define page cache implementation is loaded using the SQLITE_CONFIG_PCACHE2 option.

There are three arguments to this option: A pointer to 8-byte aligned memory, the size of each page buffer (sz), and the number of pages (N).

The sz argument should be the size of the largest database page (a power of two between 512 and 32768) plus a little extra for each page header. The page header size is 20 to 40 bytes depending on the host architecture. It is harmless, apart from the wasted memory, to make sz a little too large. The first argument should point to an allocation of at least sz*N bytes of memory.

SQLite will use the memory provided by the first argument to satisfy its memory needs for the first N pages that it adds to cache. If additional page cache memory is needed beyond what is provided by this option, then SQLite goes to [sqlite3_malloc()] for the additional storage space.

The pointer in the first argument must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.
** [SQLITE_CONFIG_HEAP] <dt>SQLITE_CONFIG_HEAP</dt>**<p>This option specifies a static memory buffer that SQLite will use for all of its dynamic memory allocation needs beyond those provided 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 $2^8$. </p><p>** [SQLITE_CONFIG_MUTEX] <dt>SQLITE_CONFIG_MUTEX</dt>**<p>(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 [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].</p><p>** [SQLITE_CONFIG_GETMUTEX] <dt>SQLITE_CONFIG_GETMUTEX</dt>**<p>(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 [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].</p><p>** [SQLITE_CONFIG_LOOKASIDE] <dt>SQLITE_CONFIG_LOOKASIDE</dt>**<p>(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.)

**

** [[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**

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 and 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.</dd>

** SQLITE_CONFIG_MMAP_SIZE**

This option is only available if sqlite is compiled with the
SQLITE_ENABLE_MMAP compile-time option defined. The first argument should
be a pointer to a function of type (void(*)(void*,sqlite3*,int64*,int64*),
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.
# 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.
ifcapable !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);

<table>
<thead>
<tr>
<th>Volume on Autohedge transaction</th>
<th>Volume Hedged</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2500 - 5499</td>
<td>5000</td>
</tr>
<tr>
<td>5500 - 6499</td>
<td>6000</td>
</tr>
</tbody>
</table>

---

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', 'g.w.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rt/010129/n29305829.html');
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com',
Re: First Polish Deal!

Congrats! Things seem to be building rapidly now on the Continent. Mark;

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

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
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
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

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com
THE INFORMATION CONTAINED IN THIS E-MAIL IS LEGALLY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPY OF THIS E-MAIL TO UNAUTHORIZED ENTITIES IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS E-MAIL IN ERROR, PLEASE DELETE IT.
- OUTAGE.dbf
- 111201R.xls
- 111201.xls

You are invited to attend the EWS Brown Bag Lunch Series

Featuring:  RAY BOWEN, COO
Topic: Enron Industrial Markets

Thursday, March 15, 2001
11:30 am - 12:30 pm
EB 5 C2

You bring your lunch, Limited Seating
We provide drinks and dessert. RSVP x 3-9610);

"Immer, Ingrid" <Ingrid.Immer@Williams.com> on 12/21/2000 11:48:47 AM
To: "''chris.germany@enron.com''" <chris.germany@enron.com>
cc:
Subject: About St Pauls

<<About St Pauls.url>>
?
?http://www.stpaulshouston.org/about.html

Chris,

I like the looks of this place.? What do you think about going here Christmas eve?? They have an 11:00 a.m. service and a candlelight service at 5:00 p.m., among others.

Let me know.?? ii

- About St Pauls.url

');

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&TV1=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"

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts  
15 Questar Pipeline  
40 Rockies Production  
22 West_2  
23 West_3  
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM  
To: "Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)" <Leila_Mankarious@mhhs.org>, "Marymankarious (E-mail)" <marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>  
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url
From: William Kelly @ ECT  12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.
If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357  
Europe: + 44 (0) 20 7783 7783  
Asia/Australia: +61 2 9229 2300

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

Thanks for your understanding in this matter.
T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760

INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X 24', 'Dale,

Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric');

INSERT INTO email([from],[to],subject,body) VALUES('messenger@smartreminders.com', 'm..tholt@enron.com', '10% Coupon - PrintPal Printer Cartridges - 100% Guaranteed', '[IMAGE][IMAGE][IMAGE][IMAGE]

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.
SmartReminders.com is a permission based service. To unsubscribe click here.

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
You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement."

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax: (415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch

Here are the documents that Peter has prepared for Mark Frevert.
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', '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 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
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.

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', 'johnd.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com,', '2001 Enron Law Conference (Distribution List 2)', '  Enron Law Conference
San Antonio, Texas  May 2-4, 2001  Westin Riverwalk

  See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at http://lawconference.corp.enron.com. The website is still under construction and will not be available until Thursday, March 15, 2001.

? We will send you another e-mail to confirm when the Law Conference Website is operational.

? Please complete the Online RSVP Form as soon as it is available and submit it no later than Friday, March 30th.

');
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i’ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I’ll get it done today.

DG  3-9573

From: Bryce Baxter 06/12/2000 07:15 PM
To: Darron C Giron/HOU/ECT@ECT

cc:

Subject: Feedback for Audrey Cook

You were identified as a reviewer for Audrey Cook. If possible, could you complete her feedback by end of business Wednesday? It will really help me in the PRC process to have your input. Thanks.

');

INSERT INTO email(from,[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,

In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King

If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!
Casey');

INSERT INTO email(from,[to],subject,body) VALUES('darrell.schoolcraft@enron.com', 'david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com.', 'Postings', 'Please see the attached.

ds

');

INSERT INTO email(from,[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com, james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --

It was an honor and a pleasure to meet both of you yesterday. I know we will have fun working together on this very special event.

Jeff left the jurisprudence luncheon lists for me before he left on vacation. I wasn’t sure whether he transmitted them to you as well. Would you please advise me if you would like them sent to you? I can email the MS Excel files
or I can fax the hard copies to you. Please advise what is most convenient.

I plan to be in town through the holidays and can be reached by phone, email, or cell phone at any time. My cell phone number is 713/705-4829.

Thanks again for your interest in the ADL’s work. Martin.

Martin B. Cominsky  
Director, Southwest Region  
Anti-Defamation League  
713/627-3490, ext. 122  
713/627-2011 (fax)  
MCominsky@aol.com);

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard  
Senior Legal Specialist  
Enron North America Corp.  
Phone: (713) 853-3907  
Fax: (713) 646-3490  
marie.heard@enron.com

');

Please contact me if you have any questions regarding last week’s 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');

INSERT INTO email([from],[to],subject,body) VALUES('d.thomas@enron.com', 'naveed.ahmed@enron.com', 'FW: Current Enron TCC Portfolio', '"

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY’s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent:Monday, December 17, 2001 9:08 AM
To:Grace, Rebecca M.
Subject:FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,',
'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE: What about this too???, '

----Original Message-----
From: Kenne, Dawn C.
Sent: Wednesday, February 06, 2002 11:50 AM
To: Keiser, Kam
Subject: What about this too???

<< File: Netco Trader Matrix.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('chris.meyer@enron.com', 'joe.parks@enron.com',
'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which
means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks
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
To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com;
INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com', ",", 'Technical Support', 'Outside the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

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 shity week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I''m seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', 'This week''s Lite Bytz presentation will feature the following TOOLZ speaker: Richard McDougall
Solaris 8
Thursday, June 7, 2001')
If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg);

COMMIT;
}
} {}
do_test 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 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'
  }
} {{
  <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 fts2c-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "'pursuant to'"
  }
} {{
  {Erin:

  <b>Pursuant</b> to 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

  Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6853
do_test fts2c-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {
  {matt.smith@enron.com <b>...</b> six reports:
  31 Keystone Receipts
  15 Questar Pipeline
  40 Rockies Production
  22 West_2 <b>...</b> }}

finish_test

Copyright 1997-2006 Adobe Systems Incorporated. All Rights Reserved.

application code is free to use these routines as well, if desired.

Rather than using fopen() to write XML or some proprietary format into

<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.

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-r00wp1u/sqlite-doc-3071700/changes.html

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

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/art/sqlite370.eps

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

<html><body bgcolor="white">
<p>FOR IMMEDIATE RELEASE:</p>
<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>

<h3 align="center">Ensures independent technical direction for world's most deployed SQL database engine</h3>

<p>Charlotte, North Carolina - December 12, 2007</p> - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members. <p>

SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic
devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.

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. 

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.</p>

<p CONTACT INFORMATION:<br />
SQLite Consortium<br />
Dr. D. Richard Hipp<br />
6200 Maple Cove Lane<br />
Charlotte, NC 28269<br />
Email: drh@sqlite.org<br />
http://www.sqlite.org<br />
Tel: +1.704.948.4565
</p>

<p>About Mozilla</p>

<p>Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere. Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation. For more information, visit www.mozilla.com.</p>

<p CONTACT INFORMATION:<br />
Mozilla Corporation<br />
Jessica Waight<br />
Tel: +1.415.345.4754<br />
Email: jwaight@outcastpr.com
</p>

<p>About Symbian Limited</p>

<p>Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.</p>

<p>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.</p>

<p>Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.</p>
CONTACT INFORMATION:
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.  We make this dedication for the benefit

without a shared lock, other processes are free to modify the database

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)
%{_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.

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.
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');
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, 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

<< File: McCartyMerit.xls >>  << File: mccartyBonusCommercial_UnP.xls >>

');

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6864
'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
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
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

'});
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&TV1=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.'
Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

The orientation of the individual reports should be correct. Thanks.

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@mhhhs.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 Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal : East Northeast
Dick Jenkins: East Marketeast

WK
');

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their
calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');

'};
INSERT INTO email([from],[to],subject,body) VALUES('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
gax 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] [IMAGE]
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;

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854

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

'Re: General Brinks Position Meeting', 'Eloy,

Who is General Brinks?

Fletch');
INSERT INTO email([from],[to],subject,body) VALUES('nailia.dindarova@enron.com',
'rerichard.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', '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>
c: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution''s Capacity Available for Release - Sum

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc

');

INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com','tim.belden@enron.com,
dana.davis@enron.com, genia.fitzgerald@enron.com,','Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000.
Copies will be distributed to Legal and Credit.');
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com,
crow@millernash.com, michaelearly@earthlink.net,', 'Oral Argument Request', ' - Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', '', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', ' 

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

Its been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

Home# 234-0249
email: kpunja@hotmail.com

Take Care,

Karim.

');

INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com,
mcguinn.ian@enron.com, mcguinn.stephen@enron.com', 'email address change', 'Hello all.
I haven’t talked to many of you via email recently but I do want to give you my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');
INSERT INTO email([from],[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels.', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com,', '2001 Enron Law Conference (Distribution List 2)', '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.
From: Bryce Baxter  

To: Darron C Giron/HOU/ECT@ECT 

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');

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

');
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.

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;

-----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
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. 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', 'Chile')
‘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://expensesms.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
From: Storey, Geoff  
Sent: Wednesday, October 31, 2001 10:10 AM  
To: Quigley, Dutch  
Subject: RE: give me a contact over there too

BP

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

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

$$$ 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

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('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/litebyzttoolzprint.jpg');
COMMIT;
```
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
}
} {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><b>...</b>asset base for <b>potential</b> <b>reuse</b>/ licensing
  Contract negotiations<b>...</b>}}
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>>> <<<reuse>>>/ licensing
  Contract negotiations }}
do_test fts3ac-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
} {{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now }}
do_test fts3ac-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
} {{<b>...</b><b>chris</b>.germany@enron.com" <<<b>chris</b><b>...</b>bet this <b>is</b> next
to<b>...</b></b>about going <b>here</b><b>Christmas
eve<b>...</b></b>}}
do_test fts3ac-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
  }
} {{Erin:
  <b>Pursuant</b> <b>to</b> your request, attached are the Schedule to the ISDA Master Agreement,
together<b>...</b>}}
do_test fts3ac-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
} {{pete.<b>davis</b>@enron.com<b>...</b>3; No <b>ancillary</b> schedules awarded<b>...</b>detected in
  <b>Load</b><b>...</b>}}
LOG<b>...</b>}}}

# Combinations of AND and OR operators:
#
do_test fts3ac-5.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
  }
} {{matt.smith@<b>enron</b>.<b>com</b><b>...</b>31 Keystone Receipts
  15 <b>Questar</b><b>...</b>Pipeline

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 6888
do_test fts3ac-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@enron.com...31 Keystone Receipts
15 Questar Pipeline
40 Rockies}}

#----------------------------------------------------------
# Test a problem reported on the mailing list.
#
# do_test fts3ac-6.1 {
execsql {
  CREATE VIRTUAL TABLE ft USING fts3(one, two);
  INSERT INTO ft VALUES('', 'foo');
  INSERT INTO ft VALUES('foo', 'foo');
  SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
}
} {{1 0 0 3} {0 0 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

Found in path(s):
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 <b><a href="th3.html">TH3</a></b> test harness is a set of proprietary tests, written in members can also request their own private, proprietary extensions.

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.
**
*/

# 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 incapable !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
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zephyrs    zephyr
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zodiacs    zodiac
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zwagger    zwagger
}
# Create a full-text index to use for testing the stemmer.
#
db close
sqlite3 db :memory:
db eval {
    CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}

foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
    execsql {
        DELETE FROM t1_term;
        DELETE FROM t1_content;
        INSERT INTO t1(word) VALUES($pfrom);
        SELECT term FROM t1_term;
    }
    } $pto
}

finish_test

Found in path(s):
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.
/∗
application is free to use the same <a href="../c3ref/sqlite3.html">database connection</a> or the

# 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}
} { i a r i}
do_test func-2.6 {
execsql {SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1}
} {e e 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}
} {{1} {} 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 {
exesql {DELETE FROM tbl1}
foreach word "contains UTF-8 characters hi\u1234ho" {
exesql "INSERT INTO tbl1 VALUES('$word')"
}
exesql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
exesql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
exesql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
exesql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
exesql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"
do_test func-3.5 {
exesql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"
do_test func-3.6 {
exesql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
}
do_test func-3.7 {
exesql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
} 
"-8 ra ta ho"
do_test func-3.8 {
exesql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} 
"8 s s o"
do_test func-3.9 {
exesql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
} 
"F- er in \u1234h"
do_test func-3.10 {
exesql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
} 
"TF- ter ain \u1234h"
do_test func-3.99 {
exsql {DELETE FROM tbl1}
foreach word {this program is free software} {
exsql "INSERT INTO tbl1 VALUES('$word')"
}
exesql {SELECT t1 FROM tbl1}
} {this program is free software}

} ;# End \u1234!<=1234

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
do_test func-4.1 {
exesql {
    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 {
exesql {
    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}
      }
    }
}
do_test func-4.12 {
    execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
    } {1.0 nil 345.0 nil 67890.0}
do_test func-4.13 {
    execsql {SELECT round(t1,2) FROM tbl1}
    } {0.0 0.0 0.0 0.0 0.0}
do_test func-4.14 {
    execsql {SELECT typeof(round(5.1,1));}
    } {real}
do_test func-4.15 {
    execsql {SELECT typeof(round(5.1));}
    } {real}
do_test func-4.16 {
    catchsql {SELECT round(b,2.0) FROM t1 ORDER BY b}
    } {0 {-2.0 1.23 2.0}}
# Verify some values reported on the mailing list.
# Some of these fail on MSVC builds with 64-bit
# long doubles, but not on GCC builds with 80-bit
# long doubles.
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.5 + $i]
    set x2 [expr 40223.0 + $i]
    do_test func-4.17.$i {
        execsql {SELECT round($x1);}
    } $x2
}
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.05 + $i]
    set x2 [expr 40222.10 + $i]
    do_test func-4.18.$i {
        execsql {SELECT round($x1,1);}
    } $x2
}
do_test func-4.20 {
    execsql {SELECT round(40223.49999999999999999);}
    } {40223.0}
do_test func-4.21 {
    execsql {SELECT round(40224.49999999999999999);}
    } {40224.0}
do_test func-4.22 {
    execsql {SELECT round(40225.49999999999999999);}
    } {40225.0}
for {set i 1} {$i<10} {incr i} {
    do_test func-4.23.$i {
        execsql {SELECT round(40223.49999999999999999,$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(12345678901.5);}
} {12345678902.0}
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(123456789012345.5);}
} {123456789012346.0}
do_test func-4.35 {
  execsql {SELECT round(99999999999994.5);}
} {99999999999995.0}
do_test func-4.36 {
  execsql {SELECT round(99999999999999.55);}
} {99999999999999.6}
do_test func-4.37 {
  execsql {SELECT round(99999999999999.556);}
} {99999999999999.56}
# Test the upper() and lower() functions
#
do_test func-5.1 {
  execsql \{SELECT upper(t1) FROM tbl1\}
} \{THIS PROGRAM IS FREE SOFTWARE\}
do_test func-5.2 {
  execsql \{SELECT lower(upper(t1)) FROM tbl1\}
} \{this program is free software\}
do_test func-5.3 {
  execsql \{SELECT upper(a), lower(a) FROM t2\}
} \{1 1 {} {} 345 345 {} {} 67890 67890\}
ifcapable \!icu {
  do_test func-5.4 {
    catchsql \{SELECT upper(a,5) FROM t2\}
  } \{1 \{wrong number of arguments to function upper()\}\}
}
do_test func-5.5 {
  catchsql \{SELECT upper(*) FROM t2\}
} \{1 \{wrong number of arguments to function upper()\}\}

# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
  execsql \{SELECT coalesce(a,'xyz') FROM t2\}
} \{1 xyz 345 xyz 67890\}
do_test func-6.2 {
  execsql \{SELECT coalesce(upper(a),'nil') FROM t2\}
} \{1 nil 345 nil 67890\}
do_test func-6.3 {
  execsql \{SELECT coalesce(nullif(1,1),'nil')\}
} \{nil\}
do_test func-6.4 {
  execsql \{SELECT coalesce(nullif(1,2),'nil')\}
} \{1\}
do_test func-6.5 {
  execsql \{SELECT coalesce(nullif(1,NULL),'nil')\}
} \{1\}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
  execsql \{SELECT last_insert_rowid()\}
} \{db last_insert_rowid\}

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {
  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;
    }
    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 22745.33 1 67890 5}
    }
    do_test func-8.2 {
      execsql {
        SELECT max('z+'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') 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)
        }
    } {1}
}
ifcapable !floatingpoint {
    do_test func-8.8 {
        execsql {
            SELECT sum(x)>0 FROM (SELECT '9223372036' || '854775808' AS x
            UNION ALL SELECT -9223372036854775807)
        }
    } {1}
}
}

# How do you test the random() function in a meaningful, deterministic way?
#
do_test func-9.1 {
    execsql {
        SELECT random() is not null;
    }
} {1}
do_test func-9.2 {
    execsql {
        SELECT typeof(random());
    }
} {integer}
do_test func-9.3 {

execsql {
SELECT randomblob(32) is not null;
}
} {1}
do_test func-9.4 {
execsql {
SELECT typeof(randomblob(32));
}
} {blob}
do_test func-9.5 {
execsql {
SELECT length(randomblob(32)), length(randomblob(-5)),
length(randomblob(2000))
}
} {32 1 2000}
# The "hex()" function was added in order to be able to render blobs
# generated by randomblob(). So this seems like a good place to test
# hex().
#
ifcapable bloblit {
do_test func-9.10 {
execsql {SELECT hex(x'00112233445566778899aAbBcCdDeEfF')}
} {00112233445566778899AABBCCDDEEFF}
}
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
execsql {SELECT hex(replace('abcdefg','ef','12'))}
} {6100620063006400310032006700}
do_test func-9.12-utf16le {
execsql {SELECT hex(replace('abcdefg','','12'))}
} {6100620063006400650066006700}
do_test func-9.13-utf16le {
execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
} {610061006100610061006100620063006400650066006700}
} elseif {$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('aabcdefg','a','aaa'))}
} {616161616161626364656667}
}

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# 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);
}
} {{}}
if capable 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',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                    'double', 1.234,
'int', 1234,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'string', NULL,
'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
'double', 1.234
);
}
} {1.234}
}
# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
execsql {
SELECT sqlite_version(*);
}
} [sqlite3 -version]
# Test that destructors passed to sqlite3 by calls to sqlite3_result_text()
# etc. are called. These tests use two special user-defined functions
# (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the
# text form of that argument. A destructor is associated with the return
# value. Function test_destructor_count() returns the number of outstanding
# destructor calls for values returned by test_destructor().
#
if {[db eval {PRAGMA encoding}]=="UTF-8"} {
do_test func-12.1-utf8 {
execsql {
SELECT test_destructor('hello world'), test_destructor_count();
}
} {{hello world} 1}
} else {
ifcapable {utf16} {
do_test func-12.1-utf16 {
execsql {
SELECT test_destructor16('hello world'), test_destructor_count();
}
} {{hello world} 1}
}
}
do_test func-12.2 {
execsql {
SELECT test_destructor_count();
}
} {0}
do_test func-12.3 {

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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;
}
} {}
do_test func-13.4 {
  execsql {
    SELECT test_auxdata('hello world', 123) FROM t4;
  }
} {{0 1} {1 1}}
do_test func-13.5 {
  execsql {
    SELECT test_auxdata('hello world', a) FROM t4;
  }
} {{0 0} {1 0}}
do_test func-13.6 {
  execsql {
    SELECT test_auxdata('hello'||'world', a) FROM t4;
  }
} {{0 0} {1 0}}

# Test that auxiliary data is preserved between calls for SQL variables.
do_test func-13.7 {
  set DB [sqlite3_connection_pointer db]
  set sql "SELECT test_auxdata( ?, a ) FROM t4;"
  set STMT [sqlite3_prepare $DB $sql -1 TAIL]
  sqlite3_bind_text $STMT 1 hello\000 -1
  set res [list]
  while { "SQLITE_ROW"==[sqlite3_step $STMT] } {
    lappend res [sqlite3_column_text $STMT 0]
  }
  lappend res [sqlite3_finalize $STMT]
} {{0 0} {1 0} SQLITE_OK}

# Make sure that a function with a very long name is rejected
do_test func-14.1 {
  catch {
    db function [string repeat X 254] {return "hello"}
  } {0}
} {{0} {1}}
do_test func-14.2 {
  catch {
    db function [string repeat X 256] {return "hello"}
  } {1}
}

do_test func-15.1 {
  catchsql {select test_error(NULL)}
} {{1} {1}}
do_test func-15.2 {
  catchsql {select test_error('this is the error message')}
do_test func-15.3 {
catchsql {select test_error('this is the error message',12)}
} {1 {this is the error message}}
do_test func-15.4 {
db errorcode
} {12}

# Test the quote function for BLOB and NULL values.
do_test func-16.1 {
execsql {
    CREATE TABLE tbl2(a, b);
}
set STMT [sqlite3_prepare $::DB "INSERT INTO tbl2 VALUES(?, ?)" -1 TAIL]
sqlite3_bind_blob $::STMT 1 abc 3
sqlite3_step $::STMT
sqlite3_finalize $::STMT
execsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %. Ticket #1354
#
do_test func-17.1 {
proc testfunc1 args {error "Error %d with %s percents %p"}
db function testfunc1 ::testfunc1
catchsql {
    SELECT testfunc1(1,2,3);
}
} {1 {Error %d with %s percents %p}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
execsql {
    CREATE TABLE t5(x);
    INSERT INTO t5 VALUES(1);
    INSERT INTO t5 VALUES(-99);
    INSERT INTO t5 VALUES(10000);
    SELECT sum(x) FROM t5;
}
} {9902}
ifcapable floatingpoint {
do_test func-18.2 {
execsql {
    INSERT INTO t5 VALUES(0.0);
    SELECT sum(x) FROM t5;
}
# The sum of nothing is NULL. But the sum of all NULLs is NULL.
# The TOTAL of nothing is 0.0.

do_test func-18.3 {
  execsql {
    DELETE FROM t5;
    SELECT sum(x), total(x) FROM t5
  }
} {{} 0.0}
do_test func-18.4 {
  execsql {
    INSERT INTO t5 VALUES(NULL);
    SELECT sum(x), total(x) FROM t5
  }
} {{} 0.0}
do_test func-18.5 {
  execsql {
    INSERT INTO t5 VALUES(NULL);
    SELECT sum(x), total(x) FROM t5
  }
} {{} 0.0}
do_test func-18.6 {
  execsql {
    INSERT INTO t5 VALUES(123);
    SELECT sum(x), total(x) FROM t5
  }
} {123 123.0}

# Ticket #1664, #1669, #1670, #1674: An integer overflow on SUM causes
# an error. The non-standard TOTAL() function continues to give a helpful
# result.

# do_test func-18.10 {
  execsql {
    CREATE TABLE t6(x INTEGER);
    INSERT INTO t6 VALUES(1);
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)+1) from t6;
  }
} 0
do_test func-18.11 {
  execsql {
    SELECT typeof(sum(x)) FROM t6
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);
}
} {1 {integer overflow}}
}
(SELECT 9223372036854775807 AS x UNION ALL
SELECT -10 AS x);
}
} {0 9223372036854775797}
do_test func-18.17 {
catchsql {
  SELECT sum(x) FROM
  (SELECT -9223372036854775807 AS x UNION ALL
   SELECT 10 AS x);
}
} {0 -9223372036854775797}
}
do_test func-18.18 {
catchsql {
  SELECT sum(x) FROM
  (SELECT -9223372036854775807 AS x UNION ALL
   SELECT -10 AS x);
}
} {1 {integer overflow}}
do_test func-18.19 {
catchsql {
  SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
}
} {0 -1}
do_test func-18.20 {
catchsql {
  SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
}
} {0 1}
do_test func-18.21 {
catchsql {
  SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
}
} {0 -1}
do_test func-18.22 {
catchsql {
  SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
}
} {0 1}

#: if capable compound & subquery

# Integer overflow on abs()
#
if {{working_64bit_int}} {
do_test func-18.31 {
catchsql {
  SELECT abs(-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
eellery 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);
}
} {1 {wrong number of arguments to function replace()}}
do_test func-21.3 {
execsql {
    SELECT typeof(replace("This is the main test string", NULL, "ALT"));
}
} {null}
do_test func-21.4 {
execsql {
    SELECT typeof(replace(NULL, "main", "ALT"));
}
} {null}
do_test func-21.5 {
execsql {
    SELECT typeof(replace("This is the main test string", "main", NULL));
}
} {null}
do_test func-21.6 {
execsql {
    SELECT replace("This is the main test string", "main", "ALT"));
}
} {null}
do_test func-21.7 {
execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
}
ifcapable tclvar {
  do_test func-21.9 {
    # Attempt to exploit a buffer-overflow that at one time existed # in the REPLACE function.
    set ::str "[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')};
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 }}
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'6162e1bfbfc280'))}}
} {F48FBFB6869}
do_test func-22.15 {
  execsql {SELECT hex(trim(x'6869c280e1bfbff48fbbf61',
    x'6162e1bfbfc280f48fbbf'))}}
} {6869}
do_test func-22.16 {
  execsql {SELECT hex(trim(x'ceb1ceb2ceb3',x'ceb1'))};}
} {CEB2CEB3}
}
do_test func-22.20 {
  execsql {SELECT typeof(trim(NULL));};
} {null}
do_test func-22.21 {
  execsql {SELECT typeof(trim(NULL,'xyz'));};
} {null}
do_test func-22.22 {
  execsql {SELECT typeof(trim('hello',NULL));};
} {null}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
if capable deprecated {
  do_test func-23.1 {
    sqlite3_create_aggregate db
    execsql {
      SELECT legacy_count() FROM t6;
    }
} {3}
}

# The group_concat() function.
#
do_test func-24.1 {
execsql {
    SELECT group_concat(t1) FROM tbl1
} {this,program,is,free,software}
do_test func-24.2 {
execsql {
    SELECT group_concat(t1,'') FROM tbl1
} } {{this 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
}
# Ticket #3806. If the initial string in a group_concat is an empty
# string, the separator that follows should still be present.

do_test func-24.8 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN '' ELSE t1 END) FROM tbl1
  }
} {,program,is,free,software}

do_test func-24.9 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN '' ELSE t1 END) FROM tbl1
  }
} {,,,,software}

# Ticket #3923. Initial empty strings have a separator. But initial
# NULLs do not.

#
do_test func-24.10 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
  }
} {program,is,free,software}

do_test func-24.11 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN null ELSE t1 END) FROM tbl1
  }
} {software}

do_test func-24.12 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN ''
      WHEN 'program' THEN null ELSE t1 END) FROM tbl1
  }
} {,is,free,software}

# Use the test_isolation function to make sure that type conversions
# on function arguments do not effect subsequent arguments.

#
do_test func-25.1 {
  execsql {SELECT test_isolation(t1,t1) FROM tbl1}
} {this program is free software}

# Try to misuse the sqlite3_create_function() interface. Verify that
# errors are returned.
#
do_test func-26.1 {
abuse_create_function db
} {}
# The previous test (func-26.1) registered a function with a very long
# function name that takes many arguments and always returns NULL. Verify
# that this function works correctly.
#
do_test func-26.2 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG} {incr i} {
lappend a $i
}
db eval "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {{}}
do_test func-26.3 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
lappend a $i
}
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {too many arguments on function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789}}
do_test func-26.4 {
set a {}
for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
lappend a $i
}
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789([join $a ,]);
"
} {1 {wrong number of arguments to function
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678

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9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
)

do_test func-26.5 {
    catchsql "
        SELECT
            nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
a(0);
    "
    } {1 {no such function:
            nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
23456789_123456789_123456789_123456789_123456789_123456789_123456789a}}

do_test func-26.6 {
    catchsql "
        SELECT
            nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
a(0);
    "
    } {1 {no such function:
            nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
23456789_123456789_123456789_123456789_123456789_123456789_123456789a}}

do_test func-27.1 {
    catchsql {SELECT coalesce()}
    } {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
    catchsql {SELECT coalesce(1)}
    } {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
    catchsql {SELECT coalesce(1,2)}
    } {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
    db eval {
        CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
    }
    catchsql {
        INSERT INTO t28(x) VALUES(1);
    }
    } {1 {unknown function: nosuchfunc()}}

# Verify that the length() and typeof() functions do not actually load
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 100000 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('$');} 36
do_execsql_test func-30.2 {subst {SELECT unicode('\u00A2');}} 162
do_execsql_test func-30.3 {subst {SELECT unicode('\u20AC');}} 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} {subst {$u00A2u20AC}}
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.

<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>
<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.

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></li>

<li><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></li>
</ol>

<p>
<table width="100%" cellpadding="0" cellspacing="0">
<tr>
<td width="60%" valign="top">
Signature:
</td><td valign="top" align="left">
Date:
</td></tr>
<td colspan=2>
Name (printed):
</td></tr>
</table>
</p>

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
<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.</p>
<p>NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:</p>
<h2>1.0 Definitions</h2>
<h3>1.1 SQLite Developers</h3>
<p>The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the
<h3>1.2 SQLite Architect</h3>
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.</p>

<h3>1.3 Consortium Member</h3>
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.

<h2>2.0 Agreement</h2>

<h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

<h4>2.1.1 General Support</h4>
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.

<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.

<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.
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.

2.1.11 Website

The SQLite Developers shall maintain the SQLite website at [http://www.sqlite.org/](http://www.sqlite.org/) in good working order and all SQLite source code shall be made freely available at such website.
<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.</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 <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.

<h4>2.3.10 Adequate Staff</h4>
Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

<h4>2.3.11 Use Of Funds</h4>
Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

<h4>2.4.2 Copyright Disclaimer</h4>
Company acknowledges that SQLite source code and documentation published on the <a href="http://www.sqlite.org/">SQLite website</a> is in the public domain and that nothing in this agreement shall change that fact.

<h2>3.0 Fees</h2>
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.

<h2>4.0 Confidentiality</h2>

<h3>4.1 Definition of Confidential Information</h3>
"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.</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, sublicensable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.

5.3 Trademark
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.

6.0 Representations And Warranties

6.1 Intellectual Property Clearances.

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.

6.2 Disclaimer.

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.

7.0 Term And Termination

7.1 Term.

This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.

7.2 Termination.

If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.
<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.</p>

<h3>8.3 Waiver.</h3>

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.

<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 one and the same agreement.</p>

<h3>8.7 Governing Law.</h3>

<p>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.</p>

<h3>8.8 Independent Contractors.</h3>

<p>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.</p>

<h2>9.0 Signatures</h2>

<p>The parties have executed this Agreement below to indicate their acceptance of its terms.</p>

<table width="100%" border="0">
<tr><td valign="top">
HWACI<br>
By:<br>
Print Name:<hr>
Title:<hr>
</td><td width="10%"></td>
<td valign="top">
COMPANY<br>
By:<br>
Print Name:<hr>
Title:<hr>
</td></tr></table>

Found in path(s):

1.707 gmbal-api-only 3.0.0-b023

1.707.1 Available under license:
As a special exception, the copyright holders of this library give you permission to link this library with independent modules to produce an executable, regardless of the license terms of these independent modules, and to copy and distribute the resulting executable under terms of your choice, provided that you also meet, for each linked
independent module, the terms and conditions of the license of that module. An independent module is a module which is not derived from or based on this library. If you modify this library, you may extend this exception to your version of the library, but you are not obligated to do so. If you do not wish to do so, delete this exception statement from your version.

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Preamble

The licenses for most software are designed to take away your 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 Lesser General Public License instead.) You can apply it 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 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 software, or if you modify it.

For example, if you distribute copies of such a program, whether 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.

We protect your rights with two steps: (1) copyright the software, and (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
authors' reputations.

Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the
program proprietary. To prevent this, we have made it clear that any
patent must be licensed for everyone's free use or not licensed at all.

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

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TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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*<p>View technologies that support this contract can obtain an instance to
* delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
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* @since 3.1
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/tiles3/AbstractSpringPreparerFactory.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/LastModified.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/SmartView.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/tags/form/TagIdGenerator.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/condition/MediaTypeExpression.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/invc/method/annotation/StreamingResponseBody.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerComposite.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/i18n/FixedLocaleResolver.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/ThemeResolver.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfig.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/AsyncTaskMethodReturnValueHandler.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestAttributeMethodArgumentResolver.java
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jar/org/springframework/web/servlet/mvc/condition/RequestConditionHolder.java
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilderMethodArgumentResolver.java
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* /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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* /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/SessionAttributeMethodArgumentResolver.java
* /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/function/ServerResponseExtensions.kt
* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-
jar/org/springframework/web/servlet/function/HandlerFunction.java
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jar/org/springframework/web/servlet/function/support/HandlerFunctionAdapter.java
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jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
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* /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
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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/tags/HtmlEscapingAwareTag.java
* /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/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/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/NoHandlerFoundException.java
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/**
** XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/116717727_1621845526.89/0/spring-webmvc-5-3-7-sources.jar/org/springframework/web/servlet/tags/form/FormTag.java
* /opt/cola/permits/116717727_1621845526.89/0/spring-webmvc-5-3-7-sources.jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
* /opt/cola/permits/116717727_1621845526.89/0/spring-webmvc-5-3-7-sources.jar/org/springframework/web/servlet/tags/BindTag.java
* /opt/cola/permits/116717727_1621845526.89/0/spring-webmvc-5-3-7-sources.jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfigurer.java
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* /opt/cola/permits/116717727_1621845526.89/0/spring-webmvc-5-3-7-sources.jar/org/springframework/web/servlet/tags/form/AbstractDataBoundFormFieldElementTag.java
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* /opt/cola/permits/1167717727_1621845526.89/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java
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* /opt/cola/permits/1167717727_1621845526.89/0/spring-webmvc-5-3-7-sources-jar/org/springframework/web/servlet/view/XmlViewResolver.java
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1.722 netty-handler 4.1.33.Final

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jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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  jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
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  jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/PemEncoded.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/flush/package-info.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
  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
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4-1-33-final-sources-
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
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/Java8SslUtils.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java

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jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1258059247_1643027221.7/0/netty-handler-4.1-33-final-sources-
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
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Last revised by Reagle $Date: 2005/06/03 22:49:13 $

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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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That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.734 jboss-logging 3.1.3.GA

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* /opt/cola/permits/1137117042_1614015984.9/0/spring-binding-1-0-4-sources-1-jar/org/springframework/binding/convert/ConversionContext.java
* /opt/cola/permits/1137117042_1614015984.9/0/spring-binding-1-0-4-sources-1-jar/org/springframework/binding/convert/support/TextToNumber.java
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* /opt/cola/permits/1137117042_1614015984.9/0/spring-binding-1-0-4-sources-1-jar/org/springframework/binding/collection/CompositeIterator.java
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* /opt/cola/permits/1137117042_1614015984.9/0/spring-binding-1-0-4-sources-1-jar/org/springframework/binding/collection/SharedMap.java

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jar/org/springframework/binding/collection/SharedMapDecorator.java

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http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.html

The specification of DOM Level 3’s various parts is at:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/
http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2’s various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1's various parts is at:

Links to all available W3C DOM Java Bindings can be found at:
http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/TR/SVG11/java.html

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1.744 icu 50.2-3.el7
## 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,-Bs symbolic

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

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

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

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

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

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

%: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '"s/\(*\$\*\)/\1.o $@ : /g" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

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

## End FreeBSD-specific setup

1.745 spring-framework 5.3.13

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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/cglib/core/SpringNamingPolicy.java
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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/convert/support/ToObjectCollectionConverter.java
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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/util/xml/StaxStreamHandler.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
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jar/org/springframework/core/convert/TypeDescriptor.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-
jar/org/springframework/core/AttributeAccessor.java
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jar/org/springframework/asm/SpringAsmInfo.java
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jar/org/springframework/core/env/AbstractEnvironment.java
* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-
jar/org/springframework/core/env/StandardEnvironment.java
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jar/org/springframework/core/metrics/DefaultApplicationStartup.java
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jar/org/springframework/core/annotation/AnnotationAttributes.java
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org.springframework.core.ReactiveAdapterRegistry$SpringCoreBlockHoundIntegration

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jar/org/springframework/core/metrics/jfr/FlightRecorderStartupStep.java
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* /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-jar/org/springframework/core/convert/support/StringToCharsetConverter.java
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 * jar/org/springframework/core/annotaation/AnnotationConfigurationException.java
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 * jar/org/springframework/core/serializer/support/DeserializingConverter.java
 * /opt/cola/permits/1228485951_1637062551.4/0/spring-core-5-3-13-sources-
 * jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
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 * jar/org/springframework/core/serializer/DefaultSerializer.java
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

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

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

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$Id: DefaultJDOMFactory.java,v 1.6 2004/09/01 05:25:38 jhunter Exp $
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$Id: Content.java,v 1.5 2004/09/07 06:37:20 jhunter Exp $

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$Id: XercesDOMAdapter.java,v 1.18 2004/02/06 09:28:31 jhunter Exp $

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$Id: AbstractDOMAdapter.java,v 1.20 2004/02/06 09:28:31 jhunter Exp $

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$Id: AbstractFilter.java,v 1.5 2004/02/27 11:32:58 jhunter Exp$

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$Id: Text.java,v 1.24 2004/02/27 11:32:57 jhunter Exp $

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* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/Text.java
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$Id: JDOMLocator.java,v 1.3 2004/02/06 09:28:32 jhunter Exp $

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Found in path(s):
*/opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/output/JDOMLocator.java
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$Id: DOMBuilder.java,v 1.59 2004/09/03 06:03:41 jhunter Exp $

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Found in path(s):
* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/input/DOMBuilder.java
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$Id: DescendantIterator.java,v 1.5 2004/02/27 11:32:57 jhunter Exp$

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* /opt/cola/permits/100099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/DescendantIterator.java
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$Id: ElementFilter.java,v 1.18 2004/09/07 06:37:20 jhunter Exp $

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$Id: JDOMException.java,v 1.23 2004/02/27 11:32:57 jhunter Exp $

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$Id: SAXOutputter.java,v 1.37 2004/09/03 06:11:00 jhunter Exp $

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$Id: CDATA.java,v 1.30 2004/02/27 11:32:57 jhunter Exp $

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Std: ProcessingInstruction.java,v 1.46 2004/02/27 11:32:57 jhunter Exp $

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

/*--

$Id: CrimsonDOMAdapter.java,v 1.16 2004/02/06 09:28:31 jhunter Exp$

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* /opt/cola/permits/1000999892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/adapters/CrimsonDOMAdapter.java
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$Id: TextBuffer.java,v 1.8 2004/02/06 09:28:31 jhunter Exp $

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$Id: ContentList.java,v 1.39 2004/02/28 03:30:27 jhunter Exp $

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$Id: DOMOutputter.java,v 1.41 2004/09/03 06:03:42 jhunter Exp$

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* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/output/DOMOutputter.java
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$Id: OrFilter.java,v 1.4 2004/02/06 09:28:31 jhunter Exp $

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$Id: DocType.java,v 1.31 2004/02/27 11:32:57 jhunter Exp $

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$Id: IllegalTargetException.java,v 1.14 2004/02/06 09:28:30 jhunter Exp $

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$Id: JAXPParserFactory.java,v 1.5 2004/02/27 21:08:47 jhunter Exp $

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$Id: Attribute.java,v 1.52 2004/03/01 23:58:28 jhunter Exp $

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$Id: NamespaceStack.java,v 1.13 2004/02/06 09:28:32 jhunter Exp $

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Found in path(s):
*/opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/output/NamespaceStack.java

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$Id: JDOMFactory.java,v 1.8 2004/09/01 05:25:38 jhunter Exp $

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* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/JDOMFactory.java
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/ *

$Id: IllegalNameException.java,v 1.13 2004/02/06 09:28:30 jhunter Exp $

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$Id: AttributeList.java,v 1.23 2004/02/28 03:30:27 jhunter Exp $

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* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1.0-sources-jar/org/jdom/AttributeList.java

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$Id: ContentFilter.java,v 1.14 2004/08/31 04:56:07 jhunter Exp $

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*/opt/cola/permits/100099892_1646171453.54/0/jdom-1.0-sources-jar/org/jdom/filter/ContentFilter.java

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$Id: Element.java,v 1.152 2004/09/03 06:35:39 jhunter Exp $

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* /opt/cola/permits/1000099892_1646171453.54/0/jdom-1-0-sources-jar/org/jdom/Element.java
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$Id: IllegalDataException.java,v 1.13 2004/02/06 09:28:30 jhunter Exp $

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$Id: OracleV1DOMAdapter.java,v 1.19 2004/02/06 09:28:31 jhunter Exp $

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$Id: EntityRef.java,v 1.21 2004/02/27 11:32:57 jhunter Exp $

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$Id: XPath.java,v 1.15 2004/02/06 09:28:32 jhunter Exp $

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$Id: SAXBuilder.java,v 1.89 2004/09/03 18:24:28 jhunter Exp$

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1.755 coreutils 8.22

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*uganda.txt* For Vim version 8.2. Last change: 2020 Jan 08
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Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to
prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*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
Finsterrueithof 1
8134 Adliswil
Switzerland

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1.758 asm 9.2

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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/annotations/GwtIncompatible.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/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/collection/CartesianList.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/ImmutableRangeMap.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/RegularImmutableSortedMultiset.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/primitives/ParseRequest.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collection/SortedIterable.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/DefaultNodeIterator$Node.java
jar/jersey/repackaged/com/google/common/collect/RegularContiguousSet.java
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1.764 cglib 3.3.0
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    public final IllegalStateException noConfidentialPortAvailable() {
        final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
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jar/org/nustaq/offheap/bytez/bytezsource/CutAsciiStringByteSource.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/annotations/Flat.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/structs/FSTStruct.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/serializers/FSTBasicObjectSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/minbin/MBIn.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/structs/structtypes/StructArray.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/annotations/Version.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
jar/org/nustaq/serialization/coders/FSTMinBinDecoder.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/kson/KsonDeserializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/serializers/FSTStructSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTObjenesisInstantiator.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/simpleapi/MinBinCoder.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/offheap/structs/unsafeimpl/FSTStructFactory.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/serializers/FSTStringBufferSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/annotations/OneOf.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/offheap/structs/unsafeimpl/FSTStructGeneration.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTConfiguration.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTObjectSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/coders/FSTStreamDecoder.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/kson/KsonTypeMapper.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/offheap/structs/FSTStructAllocator.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTCrossPlatformSerialzer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/offheap/bytez/BasicBytez.java
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* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/serializers/FSTStringSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/simpleapi/FSTCoder.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/offheap/structs/Align.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTSerialisationListener.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTObjectRegistry.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTDefaultClassInstantiator.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTEncoder.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/kson/KsonParseException.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/minbin/MBRef.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources.jar/org/nustaq/serialization/FSTSerializerRegistryDelegate.java
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* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
  jar/org/nustaq/serialization/serializers/FSTJSonUnmodifiableMapSerializer.java
* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-
  jar/org/nustaq/serialization/serializers/FSTJSonUnmodifiableCollectionSerializer.java

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* /opt/cola/permits/1258059306_1643027233.45/0/fst-2-57-sources-jar/org/nustaq/offheap/bytez/malloc/MMFBytez.java

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1.780 pyxattr 0.5.1
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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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1.812 ehcach-core 3.9.3
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* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-jar/org/ehcache/core/statistics/SourceStatistic.java
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* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-jar/org/ehcache/core/osgi/EhcacheActivator.java
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jar/org/ehcache/core/spi/service/CacheManagerProviderService.java
* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-
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* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-
jar/org/ehcache/core/configuration/DefaultStatisticsService.java
* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-
jar/org/ehcache/core/configuration/DefaultStatisticsServiceImpl.java
* /opt/cola/permits/1332726863_1653392726.4157689/0/ehcache-core-3-9-3-sources-1-
jar/org/ehcache/core/configuration/DefaultStatisticsServiceFactory.java
1.813 idna 2.4

1.813.1 Available under license:

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---

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

---

```python
import io, sys
from setuptools import setup

version = "2.4"

def main():
```

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

arguments = {
    'name': 'idna',
    'packages': ['idna'],
    'version': version,
    'description': 'Internationalized Domain Names in Applications (IDNA)',
    'long_description': io.open("README.rst", encoding="UTF-8").read(),
    'author': 'Kim Davies',
    'author_email': 'kim@cynosure.com.au',
    'license': 'BSD-like',
    'url': 'https://github.com/kjd/idna',
    'classifiers': [
        'Development Status :: 5 - Production/Stable',
        'Intended Audience :: Developers',
        'Intended Audience :: System Administrators',
        '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)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKds9o/idna-2.4/setup.py
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* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsogo/idna-2.4/idna.egg-info/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsogo/idna-2.4/PKG-INFO

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1.814 spring-framework 2.5.6

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1.815 sqlite 3.7.17

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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)
- Definitions of 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 SQLite Consortium not only demonstrates Symbian's commitment..."
to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible.”

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, http://www.sqlite.org/.

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:
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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.
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<p><b>About Symbian Limited</b></p>

<p>Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.</p>

<p>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.</p>

<p>Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.</p>

<p>CONTACT INFORMATION:<br>Symbian Global Press Office<br>Karen Hamblen<br>+44 207 154 1707<br>press@symbian.com</p>

<p>Found in path(s):</p>


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 ",b_blob
BLOB,d_lastmodifdate DATE NOT NULL DEFAULT CURRENT_TIMESTAMP,i_tmp INTEGER NOT NULL
DEFAULT 0);
CREATE TABLE doctransaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT
NOT NULL,t_mode VARCHAR(1) DEFAULT 'U' CHECK (t_mode IN ('U', 'R')),d_date DATE NOT
NULL,t_savestep VARCHAR(1) DEFAULT 'N' CHECK (t_savestep IN ('Y', 'N')),i_parent INTEGER,
t_refreshviews VARCHAR(1) DEFAULT 'Y' CHECK (t_refreshviews IN ('Y', 'N')));
CREATE TABLE doctransactionitem (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
rd_doctransaction_id INTEGER NOT NULL,i_object_id INTEGER NOT NULL,t_object_table TEXT NOT
NULL,t_action VARCHAR(1) DEFAULT 'I' CHECK (t_action IN ('I', 'U', 'D')),t_sqlorder TEXT NOT NULL
DEFAULT ");
CREATE TABLE doctransactionmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
rd_doctransaction_id INTEGER NOT NULL,t_message TEXT NOT NULL DEFAULT ",t_popup VARCHAR(1)
DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));
CREATE TABLE unit(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT
NULL,t_symbol TEXT NOT NULL DEFAULT ",t_country TEXT NOT NULL DEFAULT ",t_type VARCHAR(1)
NOT NULL DEFAULT 'C' CHECK (t_type IN ('1', '2', 'C', 'S', 'I', 'O')),t_internet_code TEXT NOT NULL
DEFAULT ",i_nbdecimal INT NOT NULL DEFAULT 2,rd_unit_id INTEGER NOT NULL DEFAULT 0, t_source
TEXT NOT NULL DEFAULT ");
CREATE TABLE univalue(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 bank (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT
NULL,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_quantity FLOAT NOT NULL CHECK (f_quantity>=0));
CREATE TABLE balance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT
NULL,t_unit_id VARCHAR(1) DEFAULT "",t_amount FLOAT NOT NULL CHECK (t_amount>=0)));
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', 'P', 'T')),t_template VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_template IN ('Y', 'N')),t_import_id TEXT NOT NULL DEFAULT ","i_TMP INTEGER NOT NULL DEFAULT 0,r_recurrentoperation_id INTEGER NOT NULL DEFAULT 0);
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,i_year INTEGER NOT NULL DEFAULT 2010,i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month>=0 AND i_month<=12),i_condition INTEGER NOT NULL DEFAULT 0.0,f_transferred FLOAT NOT NULL DEFAULT 0.0,t_category TEXT NOT NULL DEFAULT 'N' CHECK (t_category IN ('Y', 'N')));
CREATE TABLE budgetcategory(id INTEGER NOT NULL DEFAULT 0,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),i_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));

CREATE TABLE "category" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '' CHECK (t_name NOT LIKE '% > %'),t_fullname TEXT,rd_category_id INT,t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));

CREATE TABLE "account"(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL, t_number TEXT NOT NULL DEFAULT '', t_agency_number TEXT NOT NULL DEFAULT '', t_agency_address TEXT NOT NULL DEFAULT '', t_comment TEXT NOT NULL DEFAULT '', t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')), t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', '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, t_icon TEXT DEFAULT '', f_sortorder FLOAT,t_autostart VARCHAR(1) DEFAULT 'N' CHECK (t_autostart IN ('Y', 'N')), t_data TEXT,rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);

CREATE TABLE vm_category_display_tmp(id INT,t_name TEXT, t_fullname TEXT, rd_category_id INT, t_bookmarked TEXT, i_NBOPERATIONS, f_REALCURRENTAMOUNT);

CREATE TABLE vm_budget_tmp(id INT,rc_category_id INT, t_including_subcategories TEXT, f_budgeted REAL, f_budgeted_modified REAL, f_transferred REAL, i_year INT, i_month INT, tCATEGORY, 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_tfullname ON category(tfullname);
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 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(tfullname);
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(tfullname);
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_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_target_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_target_id') WHERE SELECT rc_category_id FROM budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_id_target_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_target_id') WHERE SELECT rc_category_id FROM budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkd_budgetrule_category_rc_category_id_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_id_target_id') WHERE SELECT rc_category_id FROM budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;
Nom de la contrainte : fki_budgetrule_category_rc_category_id_target_id) \ WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budgetrule)
Nom de la contrainte : fku_budgetrule_category_rc_category_id_target_id) \ WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id_target) IS NULL; END;
CREATE TRIGGER fkd_budgetrule_category_rc_category_id_target_id BEFORE DELETE ON category FOR EACH ROW BEGIN 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 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 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_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransactionmsg 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_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (doctransactionmsg est utilisé par doctransactionmsg)
DOCTRANSACTION msg est utilisé par (DOCTRANSACTION msg) WHERE

NEW.doctransaction_id!=0 AND NEW.doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransactionmsg_doctransaction_id BEFORE DELETE ON doctransactionmsg FOR EACH ROW BEGIN
DELETE FROM doctransactionmsg WHERE doctransactionmsg.rd_doctransaction_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionmsg_doctransaction_id_id BEFORE INSERT ON doctransactionmsg FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (account est utilisé par interest) Nom de la contrainte : fku_doctransactionmsg_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 fki_doctransactionmsg_doctransaction_id_id BEFORE UPDATE ON doctransactionmsg FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (account est utilisé par interest) Nom de la contrainte : fku_doctransactionmsg_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!='' AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;

CREATE TRIGGER fkdc_doctransactionmsg_doctransaction_id BEFORE DELETE ON 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 fki_interest_account_rd_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 : fku_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 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 fki_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 : fku_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 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 fki_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 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 fki_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 fki_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
UPDATE operation SET rc_unit_id=0 WHERE rc_unit_id=OLD.id; END;

CREATE TRIGGER fki_invoice_r_invoice_id_id BEFORE INSERT ON invoice FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (invoice est utilisé par invoice) Nom de la contrainte : fki_invoice_r_invoice_id_id') WHERE NEW.r_invoice_id!=0 AND NEW.r_invoice_id!='' AND (SELECT id FROM invoice WHERE id = NEW.r_invoice_id) IS NULL; END;

CREATE TRIGGER fki_invoice_r_invoice_id_id BEFORE UPDATE ON invoice FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (invoice est utilisé par invoice) Nom de la contrainte : fku_invoice_r_invoice_id_id') WHERE NEW.r_invoice_id!=0 AND NEW.r_invoice_id!='' AND (SELECT id FROM invoice WHERE id = NEW.r_invoice_id) IS NULL; END;

CREATE TRIGGER fkd_invoice_r_invoice_id_id BEFORE DELETE ON invoice FOR EACH ROW BEGIN
UPDATE invoice SET r_invoice_id=0 WHERE r_invoice_id=OLD.id; END;

CREATE TRIGGER fki_invoice_item_r_invoice_id_id BEFORE INSERT ON invoice_item FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (invoice_item est utilisé par invoice) Nom de la contrainte : fki_invoice_item_r_invoice_id_id') WHERE NEW.r_invoice_id!=0 AND NEW.r_invoice_id!='' AND (SELECT id FROM invoice WHERE id = NEW.r_invoice_id) IS NULL; END;

CREATE TRIGGER fki_invoice_item_r_invoice_id_id BEFORE UPDATE ON invoice_item FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (invoice_item est utilisé par invoice) Nom de la contrainte : fku_invoice_item_r_invoice_id_id') WHERE NEW.r_invoice_id!=0 AND NEW.r_invoice_id!='' AND (SELECT id FROM invoice WHERE id = NEW.r_invoice_id) IS NULL; END;

CREATE TRIGGER fkd_invoice_item_r_invoice_id_id BEFORE DELETE ON invoice_item FOR EACH ROW BEGIN
UPDATE invoice_item SET r_invoice_id=0 WHERE r_invoice_id=OLD.id; END;

CREATE TRIGGER fki_invoice_line_item_r_invoice_line_id_id BEFORE INSERT ON invoice_line_item FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (invoice_line_item est utilisé par invoice_line_item) Nom de la contrainte : fki_invoice_line_item_r_invoice_line_id_id') WHERE NEW.r_invoice_line_id!=0 AND NEW.r_invoice_line_id!='' AND (SELECT id FROM invoice_line_item WHERE id = NEW.r_invoice_line_id) IS NULL; END;

CREATE TRIGGER fki_invoice_line_item_r_invoice_line_id_id BEFORE UPDATE ON invoice_line_item FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (invoice_line_item est utilisé par invoice_line_item) Nom de la contrainte : fku_invoice_line_item_r_invoice_line_id_id') WHERE NEW.r_invoice_line_id!=0 AND NEW.r_invoice_line_id!='' AND (SELECT id FROM invoice_line_item WHERE id = NEW.r_invoice_line_id) IS NULL; END;

CREATE TRIGGER fkd_invoice_line_item_r_invoice_line_id_id BEFORE DELETE ON invoice_line_item FOR EACH ROW BEGIN
UPDATE invoice_line_item SET r_invoice_line_id=0 WHERE r_invoice_line_id=OLD.id; END;

CREATE TRIGGER fki_invoice_payment_r_invoice_payment_id_id BEFORE INSERT ON invoice_payment FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (invoice_payment est utilisé par invoice_payment) Nom de la contrainte : fki_invoice_payment_r_invoice_payment_id_id') WHERE NEW.r_invoice_payment_id!=0 AND NEW.r_invoice_payment_id!='' AND (SELECT id FROM invoice_payment WHERE id = NEW.r_invoice_payment_id) IS NULL; END;

CREATE TRIGGER fki_invoice_payment_r_invoice_payment_id_id BEFORE UPDATE ON invoice_payment FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (invoice_payment est utilisé par invoice_payment) Nom de la contrainte : fku_invoice_payment_r_invoice_payment_id_id') WHERE NEW.r_invoice_payment_id!=0 AND NEW.r_invoice_payment_id!='' AND (SELECT id FROM invoice_payment WHERE id = NEW.r_invoice_payment_id) IS NULL; END;

CREATE TRIGGER fkd_invoice_payment_r_invoice_payment_id_id BEFORE DELETE ON invoice_payment FOR EACH ROW BEGIN
UPDATE invoice_payment SET r_invoice_payment_id=0 WHERE r_invoice_payment_id=OLD.id; END;

CREATE TRIGGER fki_invoice_tax_r_invoice_tax_id_id BEFORE INSERT ON invoice_tax FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d''ajouter un objet (invoice_tax est utilisé par invoice_tax) Nom de la contrainte : fki_invoice_tax_r_invoice_tax_id_id') WHERE NEW.r_invoice_tax_id!=0 AND NEW.r_invoice_tax_id!='' AND (SELECT id FROM invoice_tax WHERE id = NEW.r_invoice_tax_id) IS NULL; END;

CREATE TRIGGER fki_invoice_tax_r_invoice_tax_id_id BEFORE UPDATE ON invoice_tax FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (invoice_tax est utilisé par invoice_tax) Nom de la contrainte : fku_invoice_tax_r_invoice_tax_id_id') WHERE NEW.r_invoice_tax_id!=0 AND NEW.r_invoice_tax_id!='' AND (SELECT id FROM invoice_tax WHERE id = NEW.r_invoice_tax_id) IS NULL; END;

CREATE TRIGGER fkd_invoice_tax_r_invoice_tax_id_id BEFORE DELETE ON invoice_tax FOR EACH ROW BEGIN
UPDATE invoice_tax SET r_invoice_tax_id=0 WHERE r_invoice_tax_id=OLD.id; END;
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 recurrentoperation 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 recurrentoperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (recurrentoperation est utilisé par operation)
Nom de la contrainte : fku_operation_recurrentoperation r_recurrentoperation_id_id') WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id="" AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;

CREATE TRIGGER fkd_operation_recurrentoperation r_recurrentoperation_id_id BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
UPDATE operation SET r_recurrentoperation_id=0 WHERE r_recurrentoperation_id=OLD.id; END;

CREATE TRIGGER fki_operationbalance_operation r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par operationbalance)
Nom de la contrainte : fki_operationbalance_operation r_operation_id_id') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fku_operationbalance_operation r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par operationbalance)
Nom de la contrainte : fku_operationbalance_operation r_operation_id_id') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fkd_operationbalance_operation r_operation_id_id BEFORE DELETE ON operationbalance FOR EACH ROW BEGIN
UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;

CREATE TRIGGER fki_recurrentoperation_operation rd_operation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par recurrentoperation)
Nom de la contrainte : fki_recurrentoperation_operation rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id="" AND (SELECT id FROM 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 utilisé par recurrentoperation)
Nom de la contrainte : fku_recurrentoperation_operation rd_operation_id_id') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id="" AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;

CREATE TRIGGER fkd_recurrentoperation_operation rd_operation_id_id BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
UPDATE recurrentoperation SET rd_operation_id=0 WHERE rd_operation_id=OLD.id; END;

CREATE TRIGGER fki_operationbalance_operationbalance r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operationbalance est utilisé par operationbalance)
Nom de la contrainte : fki_operationbalance_operationbalance r_operation_id_id') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id="" AND (SELECT id FROM operationbalance WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fku_operationbalance_operationbalance r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (operationbalance est utilisé par operationbalance)
Nom de la contrainte : fku_operationbalance_operationbalance r_operation_id_id') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id="" AND (SELECT id FROM operationbalance WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fkd_operationbalance_operationbalance r_operation_id_id BEFORE DELETE ON operationbalance FOR EACH ROW BEGIN
UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;
(operation est utilisé par recurrentoperation)
Nom de la contrainte : fku_recurrentoperation_operation_rd_operation_id_id' WHERE
NEW.rd_operation_id!=0 AND NEW.rd_operation_id='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation
FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id =
OLD.id; END;
CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (operation est utilisé par
suboperation)
Nom de la contrainte : fki_suboperation_operation_rd_operation_id_id' WHERE NEW.rd_operation_id!=0 AND
NEW.rd_operation_id='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL;
END;
CREATE TRIGGER fku_suboperation_operation_rd_operation_id_id BEFORE UPDATE ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilisé par
suboperation)
Nom de la contrainte : fku_suboperation_operation_rd_operation_id_id' WHERE NEW.rd_operation_id!=0 AND
NEW.rd_operation_id='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL;
END;
CREATE TRIGGER fkdc_operation_suboperation_id_rd_operation_id BEFORE DELETE ON operation
FOR EACH ROW BEGIN DELETE FROM suboperation WHERE suboperation.rd_operation_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par
suboperation)
Nom de la contrainte : fki_suboperation_category_r_category_id_id' WHERE NEW.r_category_id!=0 AND
NEW.r_category_id='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fku_suboperation_category_r_category_id_id BEFORE UPDATE ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par
suboperation)
Nom de la contrainte : fku_suboperation_category_r_category_id_id' WHERE NEW.r_category_id!=0 AND
NEW.r_category_id='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;
CREATE TRIGGER fkdc_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR
EACH ROW BEGIN UPDATE suboperation SET r_category_id=0 WHERE r_category_id=OLD.id; END;
CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (refund est utilisé 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 fku_suboperation_refund_r_refund_id_id BEFORE UPDATE ON suboperation FOR
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (refund est utilisé par suboperation)
Nom de la contrainte : fku_suboperation_refund_r_refund_id_id' WHERE NEW.r_refund_id!=0 AND
NEW.r_refund_id='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;
CREATE TRIGGER fkdc_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 utilisé 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
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 IFNULL((SELECT s.f_quantity FROM unitvalue s WHERE s.rd_unit_id=v_unit_tmp1.id AND s.d_date=v_unit_tmp1.d_MAXDATE),1) END AS f_LASTVALUE from v_unit_tmp1;
CREATE VIEW v_unit AS SELECT *,v_unit_tmp2.f_LASTVALUE*IFNULL((SELECT s2.f_LASTVALUE FROM v_unit_tmp2 s2 WHERE s2.id=v_unit_tmp2.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_unitvalue AS SELECT * FROM unitvalue;
CREATE VIEW v_suboperation AS SELECT * FROM suboperation;
CREATE VIEW v_operation_numbers AS SELECT DISTINCT i_number, rd_account_id FROM operation;
CREATE VIEW v_operation_next_numbers AS SELECT T1.i_number+1 AS i_number FROM v_operation_numbers AS T1 LEFT OUTER JOIN v_operation_numbers T2 ON T2.rd_account_id=T1.rd_account_id AND T2.i_number=T1.i_number+1 WHERE T1.i_number!=0 AND (T2.i_number IS NULL) ORDER BY T1.i_number;
CREATE VIEW v_operation_tmp1 AS SELECT *(SELECT t_name FROM payee s WHERE
CREATE VIEW v_operation AS SELECT *, (SELECT s.id FROM suboperation s WHERE s.id=operation.r_payee_id) AS t_PAYEE,(SELECT TOTAL(s.f_value) FROM suboperation s WHERE s.rd_operation_id=operation.ID) AS f_QUANTITY,(SELECT count(*) FROM suboperation s WHERE s.rd_operation_id=operation.ID) AS i_NBSUBCATEGORY FROM operation;
CREATE VIEW v_operation AS SELECT *, (SELECT s.id FROM suboperation s WHERE s.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 unit u WHERE s.id=v_operation_tmp1.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.rd_account_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_account_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_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||IFNULL(t_PAYEE,'')||' '||v_operation.f_CURRENTAMOUNT||' '||(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_displayname FROM v_operation;
CREATE VIEW v_operation_delete AS SELECT *, (CASE WHEN t_status='Y' THEN 'Vous n’êtes pas autorisé à 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 s.rd_account_id=account.id) AS d_MAXDATE, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=account.id AND s.t_template='N') AS f_CURRENTAMOUNT FROM account;
CREATE VIEW v_account_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE rd_account_id=account.id AND d_date<>'0000-00-00' AND t_template='N' AND t_status='Y') THEN 'Vous n’êtes pas autorisé à détruire ce compte car il contient des opérations rapprochées' END) t_delete_message FROM account;
CREATE VIEW v_bank_displayname AS SELECT *, t_name AS t_displayname FROM bank;
CREATE VIEW v_account_displayname AS SELECT *, (SELECT t_displayname FROM v_bank_displayname WHERE account.rd_bank_id=v_bank_displayname.id)||'-'||t_name AS t_displayname FROM account;
CREATE VIEW v_bank AS SELECT *, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_account s WHERE s.rd_bank_id=bank.id) AS f_CURRENTAMOUNT FROM bank;
CREATE VIEW v_category_displayname AS SELECT *, t_fullname AS t_displayname FROM category;
CREATE VIEW v_category AS SELECT * FROM category;
CREATE VIEW v_recurrentoperation AS SELECT *, i_period_increment||' '||(CASE t_period_unit WHEN 'Y' THEN 'année(s)' WHEN 'M' THEN 'mois' WHEN 'W' THEN 'semaine(s)' ELSE 'jour(s)' END) AS t_PERIODNLS FROM recurrentoperation;
CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||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_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',v_operation.d_date)||'-Q'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='03' THEN '1' WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '2' WHEN STRFTIME('%m',v_operation.d_date)<='09' THEN '3' ELSE '4' END) AS d_DATEQUARTER,
STRFTIME('%Y',v_operation.d_date)||'-S'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '1' ELSE '2' END) AS d_DATESEMESTER,
STRFTIME('%Y',v_operation.d_date) AS d_DATEYEAR,
(SELECT count(*) FROM v_recurrentoperation s WHERE s.rd_operation_id=v_operation.id) AS i_NBRECURRENT,
(SELECT o2.f_balance FROM operationbalance o2 WHERE o2.r_operation_id=v_operation.id ) AS f_BALANCE,
(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_operation.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_operation.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_operation.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_operation.id) AS i_NBOPERATIONS,
IFNULL((SELECT s.f_rate FROM interest s WHERE s.rd_account_id=v_operation.id AND s.d_date=v_operation.d_date),0) AS f_RATE FROM v_operation, bank WHERE bank.id=v_operation.rd_bank_id;

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.*,
(SELECT 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.d_date='0000-00-00') AS f_CURRENTAMOUNT
FROM v_operation, 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.f_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.rd_operation_id=op.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_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 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'
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 END WHERE id=new.id;END;
CREATE TRIGGER cpt_category_fullname2 AFTER UPDATE OF t_name, rd_category_id ON category BEGIN UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;
CREATE TRIGGER fkdc_category_delete BEFORE DELETE ON category FOR EACH ROW BEGIN UPDATE category SET t_category_id=OLD.rd_category_id WHERE t_category_id=OLD.id; END;
explain
SELECT TOTAL(f_CURRENTAMOUNT), d_DATEMONTH
from v_operation_display
WHERE d_DATEMONTH IN ('2012-05', '2012-04')
group by d_DATEMONTH, t_TYPEEXPENSE;
} {/* Goto */}
# The next test requires FTS4
if capable !fts3 {
  finish_test
  return
}

# Taken from the gnome-shell project
#
db close
forcedelete test.db
sqlite3 db test.db
do_test fuzz-oss1-gnomeshell {
  db eval {
    CREATE TABLE Resource (ID INTEGER NOT NULL PRIMARY KEY, Uri TEXT NOT NULL, UNIQUE (Uri));
    CREATE VIRTUAL TABLE fts USING fts4;
    CREATE TABLE "mfo:Action" (ID INTEGER NOT NULL PRIMARY KEY);
    CREATE TABLE "mfo:Enclosure" (ID INTEGER NOT NULL PRIMARY KEY,
      "mfo:remoteLink" INTEGER, "mfo:remoteLink:graph" INTEGER,
      "mfo:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER,
      "mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional" INTEGER,
      "mfo:optional:graph" INTEGER);
    CREATE TABLE "mfo:FeedChannel" (ID INTEGER NOT NULL PRIMARY KEY,
      "mfo:updatedAt" INTEGER, "mfo:updatedAt:graph" INTEGER,
      "mfo:updatedAt:localDate" INTEGER, "mfo:updatedAt:localTime" INTEGER,
      "mfo:unreadCount" INTEGER, "mfo:unreadCount:graph" INTEGER,
      "mfo:totalCount" INTEGER, "mfo:totalCount:graph" INTEGER, "mfo:action"
      INTEGER, "mfo:action:graph" INTEGER, "mfo:type" INTEGER,
      "mfo:type: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:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY,
      "mfo:updateInterval" INTEGER, "mfo:updateInterval:graph" INTEGER,
      "mfo:expiryInterval" INTEGER, "mfo:expiryInterval:graph" INTEGER,
      "mfo:downloadPath" TEXT COLLATE NOCASE, "mfo:downloadPath:graph" INTEGER,
      "mfo:downloadFlag" INTEGER, "mfo:downloadFlag:graph" INTEGER,
      "mfo:maxSize" INTEGER, "mfo:maxSize: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:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL, "mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL, "mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL, "mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp: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);
<p>| CREATE TABLE &quot;mlo:LocationBoundingBox&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxEastLimit&quot; (ID INTEGER NOT NULL, &quot;mlo:boxEastLimit&quot; INTEGER NOT NULL, &quot;mlo:boxEastLimit:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxNorthLimit&quot; (ID INTEGER NOT NULL, &quot;mlo:boxNorthLimit&quot; INTEGER NOT NULL, &quot;mlo:boxNorthLimit:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxSouthWestCorner&quot; (ID INTEGER NOT NULL, &quot;mlo:boxSouthWestCorner&quot; INTEGER NOT NULL, &quot;mlo:boxSouthWestCorner:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxVerticalLimit&quot; (ID INTEGER NOT NULL, &quot;mlo:boxVerticalLimit&quot; INTEGER NOT NULL, &quot;mlo:boxVerticalLimit:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:LocationBoundingBox_mlo:boxNorthLimit&quot; (ID INTEGER NOT NULL, &quot;mlo:boxNorthLimit&quot; INTEGER NOT NULL, &quot;mlo:boxNorthLimit:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:PointOfInterest&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mlo:Route&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mlo:Route_mlo:endTime&quot; (ID INTEGER NOT NULL, &quot;mlo:endTime&quot; INTEGER NOT NULL, &quot;mlo:endTime:graph&quot; INTEGER, &quot;mlo:endTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:endTime:localTime&quot; INTEGER NOT NULL); |
| CREATE TABLE &quot;mlo:Route_mlo:routeDetails&quot; (ID INTEGER NOT NULL, &quot;mlo:routeDetails&quot; TEXT NOT NULL, &quot;mlo:routeDetails:graph&quot; INTEGER); |
| CREATE TABLE &quot;mlo:Route_mlo:startTime&quot; (ID INTEGER NOT NULL, &quot;mlo:startTime&quot; INTEGER NOT NULL, &quot;mlo:startTime:graph&quot; INTEGER, &quot;mlo:startTime:localDate&quot; INTEGER NOT NULL, &quot;mlo:startTime:localTime&quot; INTEGER NOT NULL); |
| CREATE TABLE &quot;mto:DownloadTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mto:State&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mto:SyncTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mto:TransferMethod&quot; (ID INTEGER NOT NULL PRIMARY KEY); |
| CREATE TABLE &quot;mto:Transfer_mto:transferList&quot; (ID INTEGER NOT NULL, &quot;mto:transferList&quot; INTEGER NOT NULL, &quot;mto:transferList:graph&quot; INTEGER); |</p>
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>mto:Transfer_mto:transferPrivacyLevel</td>
<td>CREATE TABLE &quot;mto:Transfer_mto:transferPrivacyLevel&quot; (ID INTEGER NOT NULL, &quot;mto:transferPrivacyLevel&quot; TEXT NOT NULL, &quot;mto:transferPrivacyLevel:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>mto:UploadTransfer</td>
<td>CREATE TABLE &quot;mto:UploadTransfer&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>mto:UploadTransfer_mto:transferCategory</td>
<td>CREATE TABLE &quot;mto:UploadTransfer_mto:transferCategory&quot; (ID INTEGER NOT NULL, &quot;mto:transferCategory&quot; TEXT NOT NULL, &quot;mto:transferCategory:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>http:ScanType</td>
<td>CREATE TABLE &quot;http:ScanType&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>nao:Property</td>
<td>CREATE TABLE &quot;nao:Property&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nao:propertyName&quot; TEXT COLLATE NOCASE, &quot;nao:propertyName:graph&quot; INTEGER, &quot;nao:propertyValue&quot; TEXT COLLATE NOCASE, &quot;nao:propertyValue:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>nao:Tag</td>
<td>CREATE TABLE &quot;nao:Tag&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nao:prefLabel&quot; TEXT COLLATE NOCASE, &quot;nao:prefLabel:graph&quot; INTEGER, &quot;nao:description&quot; TEXT COLLATE NOCASE, &quot;nao:description:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>nao:Tag_tracker:isDefaultTag</td>
<td>CREATE TABLE &quot;nao:Tag_tracker:isDefaultTag&quot; (ID INTEGER NOT NULL, &quot;tracker:isDefaultTag&quot; INTEGER NOT NULL, &quot;tracker:isDefaultTag:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>nao:Tag_tracker:tagRelatedTo</td>
<td>CREATE TABLE &quot;nao:Tag_tracker:tagRelatedTo&quot; (ID INTEGER NOT NULL, &quot;tracker:tagRelatedTo&quot; INTEGER NOT NULL, &quot;tracker:tagRelatedTo:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>ncal:AccessClassification</td>
<td>CREATE TABLE &quot;ncal:AccessClassification&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>ncal:Alarm</td>
<td>CREATE TABLE &quot;ncal:Alarm&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;ncal:repeat&quot; INTEGER, &quot;ncal:repeat:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>ncal:AlarmAction</td>
<td>CREATE TABLE &quot;ncal:AlarmAction&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>ncal:Alarm_ncal:action</td>
<td>CREATE TABLE &quot;ncal:Alarm_ncal:action&quot; (ID INTEGER NOT NULL, &quot;ncal:action&quot; INTEGER NOT NULL, &quot;ncal:action:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>ncal:Attachment</td>
<td>CREATE TABLE &quot;ncal:Attachment&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;ncal:attachmentUri&quot; INTEGER, &quot;ncal:attachmentUri:graph&quot; INTEGER, &quot;ncal:fmttype&quot; TEXT COLLATE NOCASE, &quot;ncal:fmttype:graph&quot; INTEGER, &quot;ncal:encoding&quot; INTEGER, &quot;ncal:encoding:graph&quot; INTEGER, &quot;ncal:attachmentContent&quot; TEXT COLLATE NOCASE, &quot;ncal:attachmentContent:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>ncal:AttachmentEncoding</td>
<td>CREATE TABLE &quot;ncal:AttachmentEncoding&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
<tr>
<td>ncal:AttendeeOrOrganizer</td>
<td>CREATE TABLE &quot;ncal:AttendeeOrOrganizer&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;ncal:dir&quot; INTEGER, &quot;ncal:dir:graph&quot; INTEGER, &quot;ncal:involvedContact&quot; INTEGER, &quot;ncal:involvedContact:graph&quot; INTEGER, &quot;ncal:sentBy&quot; INTEGER, &quot;ncal:sentBy:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>ncal:BydayRulePart</td>
<td>CREATE TABLE &quot;ncal:BydayRulePart&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
</tr>
</tbody>
</table>
"ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifierRange" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
  "ncal:until" INTEGER, "ncal:until:graph" INTEGER,
  "ncal:until:localDate" INTEGER, "ncal:until:localTime" INTEGER,
  "ncal:wkst" INTEGER, "ncal:wkst:graph" INTEGER, "ncal:interval" INTEGER,
  "ncal:interval:graph" INTEGER, "ncal:count" INTEGER,
  "ncal:count:graph" INTEGER, "ncal:freq" INTEGER, "ncal:freq:graph" INTEGER);
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: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: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 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:Timezone" (ID INTEGER NOT NULL PRIMARY KEY,
  "ncal:tzurl" INTEGER, "ncal:tzurl:graph" INTEGER, "ncal:standard" INTEGER,
  "ncal:standard:graph" INTEGER, "ncal:daylight" INTEGER,
  "ncal:daylight:graph" INTEGER, "ncal:tzid" TEXT COLLATE NOCASE,
  "ncal:tzid:graph" INTEGER);
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:Todo" (ID INTEGER NOT NULL PRIMARY KEY,
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:UnionParentClass" (ID INTEGER NOT NULL PRIMARY KEY,
   "ncal:lastModified" INTEGER, "ncal:lastModified:graph" INTEGER,
   "ncal:lastModified:localDate" INTEGER, "ncal:lastModified:localTime" INTEGER,
   "ncal:trigger" INTEGER, "ncal:trigger:graph" INTEGER,
   "ncal:created" INTEGER, "ncal:created:graph" INTEGER,
   "ncal:created:localDate" INTEGER, "ncal:created:localTime" INTEGER,
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:organizer" (ID INTEGER NOT NULL, "ncal:organizer" INTEGER NOT NULL, "ncal:organizer:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:url" (ID INTEGER NOT NULL, "ncal:url" INTEGER NOT NULL, "ncal:url:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attachment" (ID INTEGER NOT NULL, "ncal:attachment" INTEGER NOT NULL, "ncal:attachment:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:note" (ID INTEGER NOT NULL, "ncal:note" INTEGER NOT NULL, "ncal:note:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:task" (ID INTEGER NOT NULL, "ncal:task" INTEGER NOT NULL, "ncal:task:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:todo" (ID INTEGER NOT NULL, "ncal:todo" INTEGER NOT NULL, "ncal:todo:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:Appointment" (ID INTEGER NOT NULL, "ncal:Appointment" INTEGER NOT NULL, "ncal:Appointment:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:Calendar" (ID INTEGER NOT NULL, "ncal:Calendar" INTEGER NOT NULL, "ncal:Calendar: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: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: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:ContactList_nco:containsContact" (ID INTEGER NOT NULL, 
"nco:containsContact" INTEGER NOT NULL,
"nco:containsContact: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:Contact_nco:note" (ID INTEGER NOT NULL, "nco:note" TEXT NOT NULL, "nco:note: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:DomicileDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:EmailAddress" (ID INTEGER NOT NULL PRIMARY KEY, 
"nco:emailAddress" TEXT COLLATE NOCASE UNIQUE,
"nco:emailAddress:graph" INTEGER);
CREATE TABLE "nco:FaxNumber" (ID INTEGER NOT NULL PRIMARY KEY);
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" (ID INTEGER NOT NULL PRIMARY KEY, 
"nco:imID" TEXT COLLATE NOCASE, "nco:imID:graph" INTEGER, 
"nco:imNickname" TEXT COLLATE NOCASE, "nco:imNickname:graph" INTEGER, 
TEXT COLLATE NOCASE, "nco:imProtocol:graph" INTEGER,
"nco:imStatusMessage" TEXT COLLATE NOCASE,
"nco:imStatusMessage:graph" INTEGER, "nco:imPresence" INTEGER,
"nco:imPresence:graph" INTEGER, "nco:presenceLastModified" INTEGER,
"nco:presenceLastModified:graph" INTEGER,
"nco:presenceLastModified:localDate" INTEGER,
"nco:presenceLastModified:localTime" INTEGER,
"nco:imAddressAuthStatusFrom" INTEGER,
"nco:imAddressAuthStatusFrom:graph" INTEGER,
"nco:imAddressAuthStatusTo" INTEGER, "nco:imAddressAuthStatusTo:graph"
INTEGER); CREATE TABLE "nco:IMAddress_nco:imCapability" (ID INTEGER NOT NULL,
"nco:imCapability" INTEGER NOT NULL, "nco:imCapability:graph"
INTEGER);
CREATE TABLE "nco: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" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:nameFamily" TEXT COLLATE NOCASE, "nco:nameFamily:graph" INTEGER,
"nco:nameGiven" TEXT COLLATE NOCASE, "nco:nameGiven:graph" INTEGER,
"nco:nameAdditional" TEXT COLLATE NOCASE, "nco:nameAdditional:graph"
INTEGER, "nco:nameHonorificSuffix" TEXT COLLATE NOCASE,
"nco:nameHonorificSuffix:graph" INTEGER, "nco:nameHonorificPrefix"
TEXT COLLATE NOCASE, "nco:nameHonorificPrefix:graph" INTEGER,
"nco:hobby" TEXT COLLATE NOCASE, "nco:hobby:graph" INTEGER,
"nco:gender" INTEGER, "nco:gender:graph" INTEGER);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT
NULL, "nco:hasAffiliation" INTEGER NOT NULL,
"nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph"
INTEGER);
CREATE TABLE "nco:PostalAddress" (ID INTEGER NOT NULL PRIMARY KEY,
"nco:region" TEXT COLLATE NOCASE, "nco:region:graph" INTEGER,
"nco:country" TEXT COLLATE NOCASE, "nco:country:graph" INTEGER,
"nco:extendedAddress" TEXT COLLATE NOCASE,
"nco:extendedAddress:graph" INTEGER, "nco:addressLocation" INTEGER,
"nco:addressLocation:graph" INTEGER, "nco:streetAddress" TEXT COLLATE
NOCASE, "nco:streetAddress:graph" INTEGER, "nco:postcode" TEXT
COLLATE NOCASE, "nco:postcode:graph" INTEGER, "nco:locality" TEXT
COLLATE NOCASE, "nco:locality:graph" INTEGER, "nco:county" TEXT
COLLATE NOCASE, "nco:county:graph" INTEGER, "nco:district" TEXT
COLLATE NOCASE, "nco:district:graph" INTEGER, "nco:pobox" TEXT
COLLATE NOCASE, "nco:pobox:graph" INTEGER);
CREATE TABLE "nco:PresenceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Role" (ID INTEGER NOT NULL PRIMARY KEY, "nco:video" INTEGER, "nco:video:graph" INTEGER);
CREATE TABLE "nco:Role_nco:blogUrl" (ID INTEGER NOT NULL, "nco:blogUrl" INTEGER NOT NULL, "nco:blogUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:foafUrl" (ID INTEGER NOT NULL, "nco:foafUrl" INTEGER NOT NULL, "nco:foafUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasContactMedium" (ID INTEGER NOT NULL, "nco:hasContactMedium" INTEGER NOT NULL, "nco:hasContactMedium:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasEmailAddress" (ID INTEGER NOT NULL, "nco:hasEmailAddress" INTEGER NOT NULL, "nco:hasEmailAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasIMAddress" (ID INTEGER NOT NULL, "nco:hasIMAddress" INTEGER NOT NULL, "nco:hasIMAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPhoneNumber" (ID INTEGER NOT NULL, "nco:hasPhoneNumber" INTEGER NOT NULL, "nco:hasPhoneNumber:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPostalAddress" (ID INTEGER NOT NULL, "nco:hasPostalAddress" INTEGER NOT NULL, "nco:hasPostalAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:url" (ID INTEGER NOT NULL, "nco:url" INTEGER NOT NULL, "nco:url:graph" INTEGER);
CREATE TABLE "nco:Role_nco:websiteUrl" (ID INTEGER NOT NULL, "nco:websiteUrl" INTEGER NOT NULL, "nco:websiteUrl:graph" INTEGER);
CREATE TABLE "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);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>nfo:BookmarkFolder</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:containsBookmark INTEGER NOT NULL, nfo:containsBookmark:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:BookmarkFolder_nfo:containsBookmark</td>
<td>ID INTEGER NOT NULL, nfo:containsBookmarkFolder INTEGER NOT NULL, nfo:containsBookmarkFolder:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:BookmarkFolder_nfo:containsBookmarkFolder</td>
<td>ID INTEGER NOT NULL, nfo:containsBookmarkFolder INTEGER NOT NULL, nfo:containsBookmarkFolder:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:CompressionType</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:Cursor</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:DeletedResource</td>
<td>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;</td>
</tr>
<tr>
<td>nfo:Document</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:tableOfContents TEXT COLLATE NOCASE, nfo:tableOfContents:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:EmbeddedFileDataObject</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:encoding TEXT COLLATE NOCASE, nfo:encoding:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:Executable</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:PageBreak</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:Placeholder</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:placeholder:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:PointedBox</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:pointedBox:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:RationalBlock</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:rationalBlock:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:ShapeBlock</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:shapeBlock:graph INTEGER;</td>
</tr>
<tr>
<td>nfo:UnfootedEnd</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:UnfootedNote</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:UnfootedPage</td>
<td>ID INTEGER NOT NULL PRIMARY KEY;</td>
</tr>
<tr>
<td>nfo:UnfootedSection</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, nfo:unfootedSection:graph INTEGER;</td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:FileHash&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
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<tr>
<td>&quot;nfo:hashValue&quot; TEXT COLLATE NOCASE, &quot;nfo:hashValue:graph&quot; INTEGER,</td>
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<tr>
<td>&quot;nfo:hashAlgorithm&quot; TEXT COLLATE NOCASE, &quot;nfo:hashAlgorithm:graph&quot; INTEGER);</td>
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<tr>
<td>CREATE TABLE &quot;nfo:Filesystem&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<tr>
<td>CREATE TABLE &quot;nfo:FilesystemImage&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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</tr>
<tr>
<td>CREATE TABLE &quot;nfo:Folder&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<tr>
<td>CREATE TABLE &quot;nfo:Font&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:fontFamily&quot; TEXT COLLATE NOCASE, &quot;nfo:fontFamily:graph&quot; INTEGER,</td>
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<tr>
<td>&quot;nfo:foundry&quot; INTEGER, &quot;nfo:foundry:graph&quot; INTEGER);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:HardDiskPartition&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:HelpDocument&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<tr>
<td>CREATE TABLE &quot;nfo:HtmlDocument&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<tr>
<td>CREATE TABLE &quot;nfo:Icon&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:Image&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
<td></td>
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<tr>
<td>&quot;nfo:verticalResolution&quot; INTEGER, &quot;nfo:verticalResolution:graph&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:horizontalResolution&quot; INTEGER, &quot;nfo:horizontalResolution:graph&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:orientation&quot; INTEGER, &quot;nfo:orientation:graph&quot; INTEGER);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:Image_nfo:depicts&quot; (ID INTEGER NOT NULL,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:depicts&quot; INTEGER NOT NULL, &quot;nfo:depicts:graph&quot; INTEGER);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:Image_nfo:hasRegionOfInterest&quot; (ID INTEGER NOT NULL,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:hasRegionOfInterest&quot; INTEGER NOT NULL,</td>
<td></td>
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<tr>
<td>&quot;nfo:hasRegionOfInterest:graph&quot; INTEGER);</td>
<td></td>
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<tr>
<td>CREATE TABLE &quot;nfo:Media&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:count&quot; INTEGER,</td>
<td></td>
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<tr>
<td>&quot;nfo:count:graph&quot; INTEGER, &quot;nfo:duration&quot; INTEGER,</td>
<td></td>
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<tr>
<td>&quot;nfo:duration:graph&quot; INTEGER, &quot;nfo:compressionType&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:compressionType:graph&quot; INTEGER, &quot;nfo:hasMediaStream&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:hasMediaStream:graph&quot; INTEGER, &quot;nfo:bitDepth&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:bitDepth:graph&quot; INTEGER, &quot;nfo:codec&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:codec:graph&quot; INTEGER, &quot;nfo:encodedBy&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:encodedBy:graph&quot; INTEGER, &quot;nfo:bitrateType&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:bitrateType:graph&quot; INTEGER, &quot;nfo:averageBitrate&quot; REAL,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:averageBitrate:graph&quot; INTEGER, &quot;nfo:genre&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:genre:graph&quot; INTEGER, &quot;nfo:equipment&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:equipment:graph&quot; INTEGER, &quot;nfo:lastPlayedPosition&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:lastPlayedPosition:graph&quot; INTEGER, &quot;nmm:genre&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nmm:genre:graph&quot; INTEGER, &quot;nmm:skipCounter&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nmm:skipCounter:graph&quot; INTEGER, &quot;nmm:dnlaProfile&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nmm:dnlaProfile:graph&quot; INTEGER, &quot;nmm:dnlaMime&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;nmm:dnlaMime:graph&quot; INTEGER, &quot;nmm:upnPShared&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nmm:upnPShared:graph&quot; INTEGER, &quot;mtp:credits&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;mtp:credits:graph&quot; INTEGER, &quot;mtp:creator&quot; TEXT COLLATE NOCASE,</td>
<td></td>
</tr>
<tr>
<td>&quot;mtp:creator:graph&quot; INTEGER);</td>
<td></td>
</tr>
<tr>
<td>CREATE TABLE &quot;nfo:MediaFileListEntry&quot; (ID INTEGER NOT NULL PRIMARY KEY,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:listPosition&quot; REAL, &quot;nfo:listPosition:graph&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td>&quot;nfo:listPosition:graph&quot; INTEGER, &quot;nfo:listPosition:graph&quot; INTEGER);</td>
<td></td>
</tr>
<tr>
<td>Table Name</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><code>nfo:MediaList</code></td>
<td>A table to store media list entries.</td>
</tr>
<tr>
<td><code>nfo:MediaList_nfo:hasMediaFileListEntry</code></td>
<td>A table to link media lists to media files.</td>
</tr>
<tr>
<td><code>nfo:MediaList_nfo:mediaListEntry</code></td>
<td>A table to store media list entries for media files.</td>
</tr>
<tr>
<td><code>nfo:MindMap</code></td>
<td>A table to store mind map entries.</td>
</tr>
<tr>
<td><code>nfo:Note</code></td>
<td>A table to store note entries.</td>
</tr>
<tr>
<td><code>nfo:OperatingSystem</code></td>
<td>A table to store operating system information.</td>
</tr>
<tr>
<td><code>nfo:Orientation</code></td>
<td>A table to store orientation details.</td>
</tr>
<tr>
<td><code>nfo:PaginatedTextDocument</code></td>
<td>A table to store paginated text documents.</td>
</tr>
<tr>
<td><code>nfo:PlainTextDocument</code></td>
<td>A table to store plain text documents.</td>
</tr>
<tr>
<td><code>nfo:Presentation</code></td>
<td>A table to store presentation entries.</td>
</tr>
<tr>
<td><code>nfo:RasterImage</code></td>
<td>A table to store raster image entries.</td>
</tr>
<tr>
<td><code>nfo:RegionOfInterest</code></td>
<td>A table to store region of interest entries.</td>
</tr>
<tr>
<td><code>nfo:RegionOfInterestContent</code></td>
<td>A table to link region of interest entries to content.</td>
</tr>
<tr>
<td><code>nfo:RemoteDataObject</code></td>
<td>A table to store remote data object entries.</td>
</tr>
<tr>
<td><code>nfo:RemotePortAddress</code></td>
<td>A table to store remote port address entries.</td>
</tr>
<tr>
<td><code>nfo:Software</code></td>
<td>A table to store software item information.</td>
</tr>
<tr>
<td><code>nfo:SoftwareApplication</code></td>
<td>A table to store software application entries.</td>
</tr>
<tr>
<td><code>nfo:SoftwareCategory</code></td>
<td>A table to store software category entries.</td>
</tr>
<tr>
<td><code>nfo:SoftwareItem</code></td>
<td>A table to store software item entries.</td>
</tr>
<tr>
<td><code>nfo:SoftwareService</code></td>
<td>A table to store software service entries.</td>
</tr>
</tbody>
</table>

CREATE TABLE `nfo:MediaList` (ID INTEGER NOT NULL PRIMARY KEY, "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:regionOfInterestType:graph" INTEGER, "nfo:roiRefersTo" INTEGER, "nfo:roiRefersTo:graph" INTEGER);
CREATE TABLE `nfo:RegionOfInterestContent` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `nfo:RemoteDataObject` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `nfo:RemotePortAddress` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `nfo:SoftwareApplication` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `nfo:SoftwareCategory` (ID INTEGER NOT NULL PRIMARY KEY, "nfo:softwareCategoryIcon" INTEGER, "nfo:softwareCategoryIcon:graph" INTEGER);
CREATE TABLE `nfo:SoftwareItem` (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE `nfo:SoftwareService` (ID INTEGER NOT NULL PRIMARY KEY);
```
CREATE TABLE "nfo:SourceCode" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:commentCharacterCount" INTEGER, "nfo:commentCharacterCount:graph" INTEGER,
"nfo:programmingLanguage" TEXT COLLATE NOCASE,
"nfo:programmingLanguage:graph" INTEGER, "nfo:definesClass" TEXT COLLATE NOCASE,
"nfo:definesClass:graph" INTEGER,
"nfo:definesFunction" TEXT COLLATE NOCASE,
"nfo:definesFunction:graph" INTEGER, "nfo:definesGlobalVariable" TEXT COLLATE NOCASE,
"nfo:definesGlobalVariable:graph" INTEGER);
CREATE TABLE "nfo:Spreadsheet" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:TextDocument" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:wordCount" INTEGER, "nfo:wordCount:graph" INTEGER,
"nfo:lineCount" INTEGER, "nfo:lineCount:graph" INTEGER,
"nfo:characterCount" INTEGER, "nfo:characterCount:graph" INTEGER);
CREATE TABLE "nfo:Trash" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:VectorImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Video" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:frameRate" REAL, "nfo:frameRate:graph" INTEGER, "nfo:frameCount" INTEGER,
"nfo:frameCount:graph" INTEGER, "nfo:averageVideoBitrate" REAL, "nfo:averageVideoBitrate:graph" INTEGER);
CREATE TABLE "nfo:Visual" (ID INTEGER NOT NULL PRIMARY KEY,
"nie:contentCreated" INTEGER, "nie:contentCreated:graph" INTEGER,
"nie:contentCreated:localDate" INTEGER, "nie:contentCreated:localTime" INTEGER,
"nfo:aspectRatio" REAL, "nfo:aspectRatio:graph" INTEGER,
"nfo:heading" REAL, "nfo:heading:graph" INTEGER, "nfo:tilt" REAL,
"nfo:tilt:graph" INTEGER, "nfo:interlaceMode" INTEGER,
"nfo:interlaceMode:graph" INTEGER, "nfo:colorDepth" INTEGER,
"nfo:colorDepth:graph" INTEGER);
CREATE TABLE "nfo:WebHistory" (ID INTEGER NOT NULL PRIMARY KEY,
"nfo:domain" TEXT COLLATE NOCASE, "nfo:domain:graph" INTEGER,
"nfo:uri" TEXT COLLATE NOCASE, "nfo:uri:graph" INTEGER);
CREATE TABLE "nfo:Website" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nid3:ID3Audio" (ID INTEGER NOT NULL PRIMARY KEY,
"nid3:title" TEXT COLLATE NOCASE, "nid3:albumTitle" TEXT COLLATE NOCASE,
"nid3:contentType" TEXT COLLATE NOCASE, "nid3:length" INTEGER,
"nid3:recordingYear" INTEGER, "nid3:trackNumber" TEXT COLLATE NOCASE,
"nid3:partOfSet" TEXT COLLATE NOCASE, "nid3:albumTitle:graph" INTEGER,
"nid3:contentType:graph" INTEGER, "nid3:length:graph" INTEGER,
"nid3:recordingYear:graph" INTEGER, "nid3:trackNumber:graph" INTEGER,
"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,
```

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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);
"nmm:albumPeakGain" INTEGER, "nmm:albumPeakGain:graph" INTEGER);
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" (ID INTEGER NOT NULL PRIMARY KEY,
"nie:title" TEXT COLLATE NOCASE, "nie:title:graph" INTEGER,
"nmm:musicAlbum" INTEGER, "nmm:musicAlbum:graph" INTEGER,
"nmm:musicAlbumDisc" INTEGER, "nmm:musicAlbumDisc:graph" INTEGER,
"nmm:beatsPerMinute" INTEGER, "nmm:beatsPerMinute:graph" INTEGER,
"nmm:trackNumber:graph" INTEGER, "nmm:internationalStandardRecordingCode" TEXT COLLATE NOCASE, "nmm:internationalStandardRecordingCode:graph" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL, "nmm:lyrics" INTEGER NOT NULL, "nmm:lyrics:graph" INTEGER);
CREATE TABLE "nmm:Photo" (ID INTEGER NOT NULL PRIMARY KEY,
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_nnm: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:graph" INTEGER NOT NULL, "mtp:scantype" INTEGER NOT NULL);
CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL, "nmm:director:graph" INTEGER NOT NULL, "nmm:director" INTEGER NOT NULL);
CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER NOT NULL, "nmm:leadActor" INTEGER NOT NULL);
CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER NOT NULL, "nmm:subtitle" INTEGER NOT NULL);
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:graph" INTEGER, "nmo:sentDate" INTEGER NOT NULL, "nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, "nmo:duration:graph" INTEGER, "nmo:duration" INTEGER, "nmo:status:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE);
CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:lastMessageDate:graph" INTEGER, "nmo:lastMessageDate" INTEGER NOT NULL, "nmo:lastMessageDate:localDate" INTEGER, "nmo:lastMessageDate:localTime" INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER, "nmo:lastSuccessfulMessageDate" INTEGER NOT NULL, "nmo:lastSuccessfulMessageDate:localDate" INTEGER, "nmo:lastSuccessfulMessageDate:localTime" INTEGER);
CREATE TABLE "nmo:Conversation" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:hasContent:graph" INTEGER, "nmo:hasContent" INTEGER NOT NULL, "nmo:isFlagged:graph" INTEGER, "nmo:isFlagged" INTEGER NOT NULL, "nmo:isRecent:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:status:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:hasContent:graph" INTEGER, "nmo:hasContent" INTEGER NOT NULL, "nmo:isFlagged:graph" INTEGER, "nmo:isFlagged" INTEGER NOT NULL, "nmo:isRecent:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:status:graph" INTEGER, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:hasContent:graph" INTEGER, "nmo:hasContent" INTEGER NOT NULL, "nmo:isFlagged:graph" INTEGER, "nmo:isFlagged" INTEGER NOT NULL, "nmo:isRecent:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:status:graph" INTEGER, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:hasContent:graph" INTEGER, "nmo:hasContent" INTEGER NOT NULL, "nmo:isFlagged:graph" INTEGER, "nmo:isFlagged" INTEGER NOT NULL, "nmo:isRecent:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:status:graph" INTEGER, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:hasContent:graph" INTEGER, "nmo:hasContent" INTEGER NOT NULL, "nmo:isFlagged:graph" INTEGER, "nmo:isFlagged" INTEGER NOT NULL, "nmo:isRecent:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:status:graph" INTEGER, "nmo:responseType:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE);
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: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:deliveryStatus" INTEGER, "nmo:deliveryStatus:graph" INTEGER,
"nmo:reportDelivery" INTEGER, "nmo:reportDelivery:graph" INTEGER,
"nmo:sentWithReportRead" INTEGER, "nmo:sentWithReportRead:graph"
INTEGER, "nmo:reportReadStatus" INTEGER, "nmo:reportReadStatus:graph"
INTEGER, "nmo:mustAnswerReportRead" INTEGER,
"nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE
NOCASE, "nmo:mmsId:graph" INTEGER);
CREATE TABLE "nmo:MessageHeader" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:headerName" TEXT COLLATE NOCASE, "nmo:headerName:graph" INTEGER,
"nmo:headerValue" TEXT COLLATE NOCASE, "nmo:headerValue:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:bcc" (ID INTEGER NOT NULL,
"nmo:bcc" INTEGER NOT NULL, "nmo:bcc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL,
"nmo:cc" INTEGER NOT NULL, "nmo:cc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:hasAttachment" (ID INTEGER NOT NULL,
"nmo:hasAttachment" INTEGER NOT NULL, "nmo:hasAttachment:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:inReplyTo" (ID INTEGER NOT NULL,
"nmo:inReplyTo" INTEGER NOT NULL, "nmo:inReplyTo:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:repliedTo" (ID INTEGER NOT NULL,
"nmo:repliedTo" INTEGER NOT NULL, "nmo:repliedTo:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:part" (ID INTEGER NOT NULL,
"nmo:part" INTEGER NOT NULL, "nmo:part:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:attachment" (ID INTEGER NOT NULL,
"nmo:attachment" INTEGER NOT NULL, "nmo:attachment:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:partWithBody" (ID INTEGER NOT NULL,
"nmo:partWithBody" INTEGER NOT NULL, "nmo:partWithBody:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:attachmentWithBody" (ID INTEGER NOT NULL,
"nmo:attachmentWithBody" INTEGER NOT NULL, "nmo:attachmentWithBody:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:partWithChild" (ID INTEGER NOT NULL,
"nmo:partWithChild" INTEGER NOT NULL, "nmo:partWithChild:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:attachmentWithChild" (ID INTEGER NOT NULL,
"nmo:attachmentWithChild" INTEGER NOT NULL, "nmo:attachmentWithChild:graph"
INTEGER);
CREATE TABLE "nmo:Message_nmo:partWithBodyWithChild" (ID INTEGER NOT NULL,
"nmo:partWithBodyWithChild" INTEGER NOT NULL, "nmo:partWithBodyWithChild: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 "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 NOT NULL, "nmo:containsPhoneMessage" 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" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "rdfs:Resource_dc:relation" (ID INTEGER NOT NULL, "dc:relation" TEXT NOT NULL, "dc:relation:graph" INTEGER);
CREATE TABLE "rdfs:Resource_dc:source" (ID INTEGER NOT NULL, "dc:source" INTEGER NOT NULL, "dc:source:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:deprecated" (ID INTEGER NOT NULL, "nao:deprecated" INTEGER NOT NULL, "nao:deprecated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:hasTag" (ID INTEGER NOT NULL, "nao:hasTag" INTEGER NOT NULL, "nao:hasTag:graph" INTEGER);
CREATE TABLE "rdfs:Resource_nao:isRelated" (ID INTEGER NOT NULL, "nao:isRelated" INTEGER NOT NULL, "nao:isRelated:graph" INTEGER);
CREATE TABLE "rdfs:Resource_rdf:type" (ID INTEGER NOT NULL, "rdf:type" INTEGER NOT NULL, "rdf:type:graph" INTEGER);
CREATE TABLE "scal:AccessLevel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendanceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Attendee_scal:delegated-from" (ID INTEGER NOT NULL, "scal:delegated-from" INTEGER NOT NULL, "scal:delegated-from:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:delegated-to" (ID INTEGER NOT NULL, "scal:delegated-to" INTEGER NOT NULL, "scal:delegated-to:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:member" (ID INTEGER NOT NULL, "scal:member" INTEGER NOT NULL, "scal:member:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:sent-by" (ID INTEGER NOT NULL, "scal:sent-by" INTEGER NOT NULL, "scal:sent-by:graph" INTEGER);
CREATE TABLE "scal:Calendar" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:CalendarAlarm" (ID INTEGER NOT NULL PRIMARY KEY, "scal:alarmOffset" INTEGER, "scal:alarmOffset:graph" INTEGER);
CREATE TABLE "scal:CalendarAlarm_scal:alarmAttendee" (ID INTEGER NOT NULL, "scal:alarmAttendee" INTEGER NOT NULL, "scal:alarmAttendee:graph" INTEGER);
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: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:ncaRelation_ID_ID" ON  
"ncal:UnionParentClass_ncal:ncaRelation" (ID, "ncal:ncaRelation" );
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_nco:belongsToGroup_ID_ID" ON  
"nco:Contact_nco: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_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");
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_nie:title" 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:RadioStation_nmm:carrier_ID_ID" ON "nmm:RadioStation" (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" (ID, "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 INDEX "nmo:Message_nmo:from" ON "nmo:Message" ("nmo:from");
CREATE UNIQUE INDEX "nmo:Message_nmo:hasAttachment_ID_ID" ON "nmo:Message_nmo:hasAttachment" (ID, "nmo:hasAttachment");
CREATE UNIQUE INDEX "nmo:Message_nmo:inReplyTo_ID_ID" ON "nmo:Message_nmo:inReplyTo" (ID, "nmo:inReplyTo");
CREATE UNIQUE INDEX "nmo:Message_nmo:messageHeader_ID_ID" ON "nmo:Message_nmo:messageHeader" (ID, "nmo:messageHeader");
CREATE UNIQUE INDEX "nmo:Message_nmo:recipient_ID_ID" ON "nmo:Message_nmo:recipient" (ID, "nmo:recipient");
CREATE UNIQUE INDEX "nmo:Message_nmo:references_ID_ID" ON "nmo:Message_nmo:references" (ID, "nmo:references");
CREATE INDEX "nmo:Message_nmo:sender" ON "nmo:Message" ("nmo:sender");
CREATE INDEX "nmo:Message_nmo:sentDate" ON "nmo:Message" ("nmo:sentDate");
CREATE INDEX "nmo:Message_nmo:to_ID" ON "nmo:Message_nmo:to" (ID);
CREATE UNIQUE INDEX "nmo:Message_nmo:to_ID_ID" ON "nmo:Message_nmo:to" ("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,
CREATE UNIQUE INDEX "nmo:containsPhoneMessageFolder" ON "nmo:containsPhoneMessageFolder_nmo:containsPhoneMessage" (ID, "nmo:containsPhoneMessagefolder");
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessage_ID_ID" ON "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID, "nmo:containsPhoneMessagefolder");
CREATE UNIQUE INDEX "nmo:PhoneMessage_nmo:toVCard_ID_ID" ON "nmo:PhoneMessage_nmo:toVCard" (ID, "nmo:toVCard");
CREATE UNIQUE INDEX "rdf:Property_rdfs:subPropertyOf_ID_ID" ON "rdf:Property_rdfs:subPropertyOf" (ID, "rdfs:subPropertyOf");
CREATE UNIQUE INDEX "rdfs:Class_rdfs:subClassOf_ID_ID" ON "rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
CREATE UNIQUE INDEX "rdfs:Class_tracker:domainIndex_ID_ID" ON "rdfs:Class_tracker:domainIndex" (ID, "tracker:domainIndex");
CREATE UNIQUE INDEX "rdfs:Resource_dc:contributor_ID_ID" ON "rdfs:Resource_dc:contributor" (ID, "dc:contributor");
CREATE UNIQUE INDEX "rdfs:Resource_dc:date_ID_ID" ON "rdfs:Resource_dc:date" (ID, "dc:date");
CREATE UNIQUE INDEX "rdfs:Resource_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: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:belongsToCalendar_ID_ID" ON "scal:CalendarItem_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE INDEX "scal:CalendarItem_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:contact_ID_ID" ON "scal:CalendarItem_scal:contact" (ID, "scal:contact");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:rrule_ID_ID" ON "scal:CalendarItem_scal:rrule" (ID, "scal:rrule");
CREATE INDEX "slo:GeoLocation_slo:postalAddress" ON "slo:GeoLocation" ("slo:postalAddress");
CREATE UNIQUE INDEX "slo:Landmark_slo:belongsToCategory_ID_ID" ON "slo:Landmark_slo:belongsToCategory" (ID, "slo:belongsToCategory");
CREATE UNIQUE INDEX "slo:Landmark_slo:hasContact_ID_ID" ON "slo:Landmark_slo:hasContact" (ID, "slo:hasContact");
CREATE UNIQUE INDEX "slo:Route_slo:routeDetails_ID_ID" ON "slo:Route_slo:routeDetails" (ID, "slo:routeDetails");

EXPLAIN SELECT "1_u", (SELECT "nco:fullname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameFamily" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameGiven" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameAdditional" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificPrefix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificSuffix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nickname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, strftime("%s",(SELECT "nco:birthDate" FROM "nco:Contact" WHERE ID = "1_u")), (SELECT "nie:url" FROM "nie:DataObject" WHERE ID = (SELECT "nco:photo" FROM "nco:Contact" WHERE ID = "1_u")) COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, "")) COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:phoneNumber" FROM "nco:PhoneNumber" WHERE ID = "4_u") COLLATE NOCASE, "")) COLLATE NOCASE, (SELECT "nco:hasAffiliation2"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasIMAddress3"."nco:hasIMAddress" AS "3_u" FROM "nco:PersonContact_nco:hasAffiliation2"."nco:PersonContact"."nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation2", "nco:Role_nco:hasIMAddress3"."nco:hasIMAddress" AS "nco:Role_nco:hasIMAddress3" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" = "nco:Role_nco:hasIMAddress3"."ID");
"4_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation4",
"nco:Role_nco:hasPhoneNumber" AS "nco:Role_nco:hasPhoneNumber5"
WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation4"."ID" AND
"nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" =
"nco:Role_nco:hasPhoneNumber5"."ID")), (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||(SELECT "nco:emailAddress" FROM "nco:EmailAddress" WHERE ID = "5_u") COLLATE NOCASE, ',') FROM (SELECT "nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasEmailAddress7"."nco:hasEmailAddress" AS "5_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation6",
"nco:Role_nco:hasEmailAddress7" AS "nco:Role_nco:hasEmailAddress7"
WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation6"."ID" AND
"nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation" =
"nco:Role_nco:hasEmailAddress7"."ID")), (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID = "nco:blogUrl"),',') FROM "nco:Role_nco:blogUrl" WHERE ID = "2_u"), ''), COLLATE NOCASE)| COALESCE((SELECT GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID = "nco:websiteUrl"),',') FROM "nco:Role_nco:websiteUrl" WHERE ID = "2_u"), ''), COLLATE NOCASE)| COALESCE((SELECT GROUP_CONCAT((SELECT Uri FROM Resource WHERE ID = "nco:url"),',') FROM "nco:Role_nco:url" WHERE ID = "2_u"), ''), COLLATE NOCASE),
',u
FROM (SELECT
"nco:PersonContact_nco:hasAffiliation8"."nco:hasAffiliation" AS "2_u" FROM "nco:PersonContact_nco:hasAffiliation8" AS "nco:PersonContact_nco:hasAffiliation8" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation8"."ID")), (SELECT
GROUP_CONCAT("6_u", ',') FROM (SELECT
"rdfs:Resource_nao:hasTag9"."nao:hasTag" AS "6_u" FROM
"rdfs:Resource_nao:hasTag9" AS "rdfs:Resource_nao:hasTag9" WHERE
"1_u" = "rdfs:Resource_nao:hasTag9"."ID")), (SELECT
Uri FROM Resource WHERE ID = "1_u"), (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:role" FROM "nco:Affiliation" WHERE ID = "2_u") COLLATE NOCASE, ''), COLLATE NOCASE)| COALESCE((SELECT "nco:department" FROM "nco:Affiliation" WHERE ID = "2_u") COLLATE NOCASE, ? COLLATE NOCASE)| COALESCE((SELECT "nco:title" FROM "nco:Affiliation" WHERE ID = "2_u"), ? COLLATE NOCASE),
',u
FROM (SELECT
"nco:PersonContact_nco:hasAffiliation10"."nco:hasAffiliation" AS "2_u" FROM "nco:PersonContact_nco:hasAffiliation10" AS "nco:PersonContact_nco:hasAffiliation10" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation10"."ID")), (SELECT
GROUP_CONCAT("note",',') FROM "nco:Contact_nco:note" WHERE ID = "1_u"), (SELECT "nco:gender" FROM "nco:PersonContact" WHERE ID
= "1_u"), (SELECT GROUP_CONCAT("2_u"||? COLLATE
NOCASE||COALESCE((SELECT "nco:pobox" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:district" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:county" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:locality" FROM "nco:PostalAddress"
WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT "nco:postalcode" FROM
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE
NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:streetAddress"
FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ?
 COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:extendedAddress"
FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ?
 COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:country"
FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ?
 COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:region"
FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ?
 COLLATE NOCASE), 
'"10_u" COLLATE NOCASE, '?' FROM (SELECT
"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation" AS
"2_u", "nco:Role_nco:hasPostalAddress12","nco:hasPostalAddress"
AS "7_u" FROM "nco:PersonContact_nco:hasAffiliation" AS
"nco:PersonContact_nco:hasAffiliation11",
"nco:Role_nco:hasPostalAddress" AS
"nco:PersonContact_nco:hasAffiliation11",
"nco:Role_nco:hasPostalAddress12" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation11","ID" AND
"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation" =
"nco:Role_nco:hasPostalAddress12","ID"), (SELECT
GROUP_CONCAT("10_u" COLLATE NOCASE, '"') FROM (SELECT
"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
"nco:Property14", "nco:hasProperty13", "ID" = "1_u" FROM
"nco:PersonContact","ID" AS "1_u" FROM "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.

<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):
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;

# Check out the length() function
#
do_test func-1.0 {
  execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
     {4 2 7 8 4}
do_test func-1.1 {
  set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
     {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
  set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
  lappend r $msg
     {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
  execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
  ORDER BY length(t1)}
     {2 1 4 2 7 1 8 1}
do_test func-1.4 {
  execsql {SELECT coalesce(length(a),-1) FROM t2}
     {1 -1 3 -1 5}

# Check out the substr() function
#
do_test func-2.0 {
  execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
     {fr is pr so th}
do_test func-2.1 {
  execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
     {r s r o h}
do_test func-2.2 {
  execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
     {ee {} ogr ftw is}
do_test func-2.3 {
  execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
     {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}
} {1 {} 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 hiሴho" {
execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hi\u1234ho"
do_test func-3.1 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {5 10 8 5}
do_test func-3.2 {
execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {UT ch co hi}
do_test func-3.3 {
execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
} "UTF cha con hi\u1234"
do_test func-3.4 {
execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on i\u1234"
do_test func-3.5 {
execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont i\u1234h"
do_test func-3.6 {
execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "F- ar nt \u1234h"
do_test func-3.7 {
execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
}
do_test func-3.8 {
edsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
}

do_test func-3.9 {
edsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
}

do_test func-3.10 {
edsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
}

do_test func-3.99 {
edsql {DELETE FROM tbl1}
foreach word {this program is free software} {
edsql "INSERT INTO tbl1 VALUES('$word')"
}
edsql {SELECT t1 FROM tbl1}
}

;# End \\

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
do_test func-4.1 {
edsql {
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}
}
}

ifcapable floatingpoint {
do_test func-4.1 {
edsql {
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}
}
}

ifcapable floatingpoint {
do_test func-4.2 {
catchsql {SELECT abs() FROM t1}
}
}

ifcapable floatingpoint {

do_test func-4.3 {
    catchsql {SELECT abs(b) FROM t1 ORDER BY a}
    } {0 {2 1.2345678901234 2}}
}
do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
    } {0 {3 12345.6789 5}}
}
ifcapable !floatingpoint {

    if {[working_64bit_int]} {
        do_test func-4.3 {
            catchsql {SELECT abs(b) FROM t1 ORDER BY a}
            } {0 {2 12345678901234 2}}
        }
do_test func-4.4 {
            catchsql {SELECT abs(c) FROM t1 ORDER BY a}
        } {0 {3 1234567890 5}}
    }
do_test func-4.4.1 {
        execsql {SELECT abs(a) FROM t2}
        } {1 {} 345 {} 67890}
do_test func-4.4.2 {
        execsql {SELECT abs(t1) FROM tbl1}
        } {0.0 0.0 0.0 0.0 0.0}
    }
ifcapable floatingpoint {
    do_test func-4.5 {
        catchsql {SELECT round(a,b,c) FROM t1}
        } {1 {wrong number of arguments to function round()}}
    }
do_test func-4.6 {
        catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
        } {0 {-2.0 1.23 2.0}}
    }
do_test func-4.7 {
        catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
        } {0 {2.0 1.0 -2.0}}
    }
do_test func-4.8 {
        catchsql {SELECT round(c) FROM t1 ORDER BY a}
        } {0 {3.0 -12346.0 -5.0}}
    }
do_test func-4.9 {
        catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
        } {0 {3.0 -12345.68 -5.0}}
    }
do_test func-4.10 {
        catchsql {SELECT x' || round(c,a) || y' FROM t1 ORDER BY a}
        } {0 {x3.0y x-12345.68y x-5.0y}}
    }
do_test func-4.11 {
        catchsql {SELECT round() FROM t1 ORDER BY a}
        } {1 {wrong number of arguments to function round()}}
    }
do_test func-4.12 {
        execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
do_test func-4.13 {
excsq {SELECT round(t1,2) FROM tbl1}
} {0.0 0.0 0.0 0.0 0.0}
do_test func-4.14 {
excsq {SELECT typeof(round(5.1,1));}
} {real}
do_test func-4.15 {
excsq {SELECT typeof(round(5.1));}
} {real}
do_test func-4.16 {
catchsq {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 {
excsq {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 {
excsq {SELECT round($x1,1);}
} $x2
}
do_test func-4.20 {
excsq {SELECT round(40223.4999999999);} {40223.0}
do_test func-4.21 {
excsq {SELECT round(40224.4999999999);} {40224.0}
do_test func-4.22 {
excsq {SELECT round(40225.4999999999);} {40225.0}
for {set i 1} {$i<10} {incr i} {
    do_test func-4.23.$i {
excsq {SELECT round(40223.4999999999,$i);} {40223.5}
do_test func-4.24.$i {
excsq {SELECT round(40224.4999999999,$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(12345678901.5);} {12345678902.0}
    }
    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(12345678901234.51);} {12345678901234.5}
    }
    do_test func-4.35 {
        execsql {SELECT round(12345678901234.52);} {12345678901234.5}
    }
    do_test func-4.36 {
        execsql {SELECT round(99999999999994.5);} {99999999999995.0}
    }
    do_test func-4.37 {
        execsql {SELECT round(9999999999999.551);} {9999999999999.55}
    }
    do_test func-4.38 {
        execsql {SELECT round(9999999999999.5562);} {9999999999999.556}
    }
}

# Test the upper() and lower() functions
#
do_test func-5.1 {
  execsql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
  execsql {SELECT lower(upper(t1)) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
  execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
ifcapable !icu {
do_test func-5.4 {
  catchsql {SELECT upper(a,5) FROM t2}
} {1 {wrong number of arguments to function upper()}}
}
do_test func-5.5 {
  catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}
# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
  execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
  execsql {SELECT coalesce(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(1,1),null)}
} {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 {SELECT coalesce(upper(a),null)}
} {1 nil 345 nil 67890}
do_test func-8.2 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,2),null)}
} {1}
do_test func-8.3 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.4 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.5 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.6 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.7 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.8 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.9 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.10 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.11 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.12 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.13 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.14 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.15 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.16 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.17 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.18 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.19 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.20 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.21 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.22 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.23 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.24 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.25 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.26 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.27 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.28 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.29 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.30 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.31 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.32 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.33 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.34 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.35 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.36 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.37 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.38 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.39 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.40 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.41 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.42 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.43 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.44 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.45 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.46 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.47 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.48 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.49 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
do_test func-8.50 {
  ifcapable explain {
    execsql {SELECT coalesce(nullif(1,1),null)}
} {1}
execsql {EXPLAIN SELECT sum(a) FROM t2;}
}
exexecsql {
    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;}
    }
exexecsql {
        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 {
exexecsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t2;
}
} {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
} else {
do_test func-8.3 {
exexecsql {
    CREATE TEMP TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
    SELECT min('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
}
} {z+1abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
} ifcapable tempdb {
do_test func-8.4 {
exexecsql {
    CREATE TABLE t3 AS SELECT a FROM t2 ORDER BY a DESC;
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
}
} {z+67890abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP}
} ifcapable compound {
do_test func-8.5 {
exexecsql {
    SELECT sum(x) FROM (SELECT '9223372036'||'854775807' AS x
    UNION ALL SELECT -9223372036854775807)


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 -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;
    }
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'00112233445566778899aAbBeCdDeEefF')} ] {00112233445566778899AABBCCDDEEFF}
}
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
do_test func-9.11-utf16le {
    execsql {SELECT hex(replace('abcdefg','ef','12'))} ] {6106206306400310032006700}
do_test func-9.12-utf16le {
    execsql {SELECT hex(replace('abcdefg','a','12'))} ] {6106206306400650066006700}
do_test func-9.13-utf16le {
    execsql {SELECT hex(replace('aabcdefg','a','aaa'))} ] {6106100610061006100610061006500606606700}
} elseif {$encoding=="UTF-8"} {
do_test func-9.11-utf8 {
    execsql {SELECT hex(replace('abcdefg','ef','12'))} ] {6162364313267}
do_test func-9.12-utf8 {
    execsql {SELECT hex(replace('abcdefg','a','12'))} ] {6162364656667}
do_test func-9.13-utf8 {
    execsql {SELECT hex(replace('aabcdefg','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,
                 'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                 'int', 1234,
                 'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
                 'string', NULL,
# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
execsql {
    SELECT sqlite_version(*);
}
} {[sqlite3 -version]}

# Test that destructors passed to sqlite3 by calls to sqlite3_result_text() 
# etc. are called. These tests use two special user-defined functions
# (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the
# text form of that argument. A destructor is associated with the return
# value. Function test_destructor_count() returns the number of outstanding
# destructor calls for values returned by test_destructor().
#
if {[db eval {PRAGMA encoding}]}="UTF-8"} {
    do_test func-12.1-utf8 {
execsql {
    SELECT test_destructor('hello world'), test_destructor_count();
}
} {{hello world} 1}
} else {
ifcapable {utf16} {
    do_test func-12.1-utf16 {
execsql {
    SELECT test_destructor16('hello world'), test_destructor_count();
}
} {{hello world} 1}
}
}

do_test func-12.2 {
execsql {
    SELECT test_destructor_count();
}
} {0}

do_test func-12.3 {
execsql {
    SELECT test_destructor('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;
  }
} {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 test_auxdata( ?, a ) FROM t4;"
    set STMT [sqlite3_prepare $DB $sql -1 TAIL]
    sqlite3_bind_text $STMT 1 hello\000 -1
    set res [list]
    while { "SQLITE_ROW"==[sqlite3_step $STMT] } {
        lappend res [sqlite3_column_text $STMT 0]
    }
    lappend res [sqlite3_finalize $STMT]
} {{0 0} {1 0} SQLITE_OK}

# Make sure that a function with a very long name is rejected
do_test func-14.1 {
    catch {
        db function [string repeat X 254] [return "hello"]
    }
} {0}
do_test func-14.2 {
    catch {
        db function [string repeat X 256] [return "hello"]
    }
} {1}
do_test func-15.1 {
    catchsql {select test_error(NULL)}
} {1 {}}
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)}
}
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;
    }
} {'X616263' '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);
}
do_test func-18.17 {
catchsql {
    SELECT sum(x) FROM
        (SELECT -9223372036854775807 AS x UNION ALL
         SELECT 10 AS x);
}
} {0 -9223372036854775797}

do_test func-18.18 {
catchsql {
    SELECT sum(x) FROM
        (SELECT -9223372036854775807 AS x UNION ALL
         SELECT -10 AS x);
}
} {1 {integer overflow}}

do_test func-18.19 {
catchsql {
    SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
}
} {0 -1}

do_test func-18.20 {
catchsql {
    SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
}
} {0 1}

do_test func-18.21 {
catchsql {
    SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
}
} {0 -1}

do_test func-18.22 {
catchsql {
    SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
}
} {0 1}

#: if capable compound&&subquery

# Integer overflow on abs()
#
if {[[working_64bit_int]]} {
    do_test func-18.31 {
catchsql {
        SELECT abs(-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
# Tests of the REPLACE function.
#
do_test func-21.1 {
catchsql {
    SELECT replace(1,2);
}
} {1 {wrong number of arguments to function replace()}}
do_test func-21.2 {
catchsql {
    SELECT replace(1,2,3,4);
}
} {1 {wrong number of arguments to function replace()}}
do_test func-21.3 {
execsql {
    SELECT typeof(replace("This is the main test string", NULL, "ALT"));
}
} {null}
do_test func-21.4 {
execsql {
    SELECT typeof(replace(NULL, "main", "ALT"));
}
} {null}
do_test func-21.5 {
execsql {
    SELECT typeof(replace("This is the main test string", "main", NULL));
}
} {null}
do_test func-21.6 {
execsql {
    SELECT replace("This is the main test string", "main", "ALT");
}
} {{This is the ALT test string}}
do_test func-21.7 {
execsql {
    SELECT replace("This is the main test string", "main", "larger-main");
}
} {{This is the larger-main test string}}
do_test func-21.8 {
execsql {
    SELECT soundex($name)
} $sdx
}
execsql {
    SELECT replace("aaaaaaa",",",0123456789");
}

{012345678901234567890123456789012345678901234567890123456789012345678901234567890}

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('xyz hy zzyz','xyzz','xyzz')};
        }
    }
}

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  }}
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'6162e1bfbfc280f48fbfbf'))}
  } {6869}
  do_test func-22.16 {
    execsql {SELECT hex(trim(x'ceb1ceb2ceb3','x'ceb1'))};
  } {CEB2CEB3}
} do_test func-22.20 {
  execsql {SELECT typeof(trim(NULL));}
} {null}
do_test func-22.21 {
  execsql {SELECT typeof(trim(NULL,'xyz'));} 
} {null}
do_test func-22.22 {
  execsql {SELECT typeof(trim('hello',NULL));}
} {null}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
if capable deprecated {
  do_test func-23.1 {
    sqlite3_create_aggregate db
    execsql {
      SELECT legacy_count() FROM t6;
    }
  } {3}
}

# The group_concat() function.
#
  do_test func-24.1 {
    execsql {
      SELECT group_concat(t1) FROM tbl1
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```sql
do_test func-24.2 {
  execsql {
    SELECT group_concat(t1,' ') FROM tbl1
  }
}

do_test func-24.3 {
  execsql {
    SELECT group_concat(t1,' || rowid || ') FROM tbl1
  }
}

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
  }
}

# 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} {
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 {

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 8549


catchsql "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_12345678a(0);
"
} {1 {no such function:
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_123456789a}}
do_test func-26.6 {
catchsql "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_123456789a(0);
"
} {1 {no such function:
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_123456789a}}
do_test func-27.1 {
catchsql {SELECT coalesce()}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
catchsql {SELECT coalesce(1)}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
catchsql {SELECT coalesce(1,2)}
} {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
dbeval {
   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 test.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 test.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 test.db CACHE_MISS 1
db eval {SELECT sum(length(x)) FROM t29}
} {1000009}
do_test func-29.6 {
set x [lindex [sqlite3 db_status db CACHE_MISS 1] 1]
if \{x<5\} {set x 1}
set x
} {1}
do_execsql_test func-30.1 {SELECT unicode('$');} 36
do_execsql_test func-30.2 [subst \{SELECT unicode('\\u00A2');\}] 162
do_execsql_test func-30.3 [subst \{SELECT unicode('\\u20AC');\}] 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} [subst \{$\\u00A2\\u20AC\}]
for \{set i 1\} \{i<0xd800\} {incr i 13} {
do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
for {set i 57344} {$i<=0xfffd} {incr i 17} {
    if {$i==0xfeff} continue
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 65536} {$i<=0x10ffff} {incr i 139} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
finish_test

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without a shared lock, other processes are free to modify the database

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/*
** 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.
*/

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/*
** 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.
*/

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/*
* This code implements the MD5 message-digest algorithm.
* The algorithm is due to Ron Rivest. This code was
* written by Colin Plumb in 1993, no copyright is claimed.
* This code is in the public domain; do with it what you wish.
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
* except that you don't need to include two pages of legalese
* with every copy.
* To compute the message digest of a chunk of bytes, declare an
* MD5Context structure, pass it to MD5Init, call MD5Update as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

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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

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</html>
SQLite Consortium Agreement

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").

WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at http://www.sqlite.org/ ("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.

<h3>1.3 Consortium Member</h3>
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.

<h2>2.0 Agreement</h2>

<h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

<h4>2.1.1 General Support</h4>
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.

<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.

<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.

<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.
<h4>2.1.6 Custom Testing</h4>
<p>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>

<h4>2.1.7 Priority Bug Fixes</h4>
<p>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>

<h4>2.1.8 Code Quality</h4>
<p>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</p>
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 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 http://www.sqlite.org/ 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".

</p>

<h4>2.4.2 Copyright Disclaimer</h4>
<p>Company acknowledges that SQLite source code and documentation published on the <a href="http://www.sqlite.org/">SQLite website</a> is in the public domain and that nothing in this agreement shall change that fact.

</p>

<h2>3.0 Fees</h2>

<p>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,
4.2 Non-Use and Non-Disclosure.

Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

4.2.1 Disclosure Required by Law

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.

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.\</p>

<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.\</p>

<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>

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.

<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>

<h3>7.2 Termination</h3>

<p>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>

<p>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>

<p>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>

<p>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
one and the same agreement.</p>

<h3>8.7 Governing Law.</h3>

<p>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.</p>

<h3>8.8 Independent Contractors.</h3>

<p>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
By:<hr>
Print Name:<hr>
Title:<hr>
</td><td width="10%"></td>
<td valign="top"
COMPANY
By:<hr>
Print Name:<hr>
Title:<hr>
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procset Adobe_CoolType_Utility_T42 1.0 0
procset Adobe_AGM_Image 1.0 0

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* "%%BeginResource
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<a href="copyright.html">public domain</a> and is thus free for

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* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
SQLite is open source, and is available in the public domain

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* /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.

<a href="copyright.html">public domain</a></p>

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.

<a href="copyright.html">public domain</a> and so many groups use SQLite

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.

<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>

<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.
</p>

<p>For the purposes of this document, "SQLite software" shall mean any
compuler 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.
</p>

<p>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:
</p>

<ol>
<li>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.
</li>
<li>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.
</li>
</ol>
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.

---

Public domain

The source code for SQLite is in the public domain. No claim of copyright
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#*************************************************************************
# 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.
ifcapable !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?

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
I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards

Delainey');

INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent: Wednesday, September 26, 2001 7:50 AM
To: Fenceroy, LaChandra
Subject: FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent: Tuesday, September 25, 2001 2:41 PM
To: Bisbee, Joanne
Subject: Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy');

INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,

If Julie’s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd’s sheets as well.
Thanks.
Dan

-----Original Message-----
From: Fagan, Fran
Sent: Thursday, December 20, 2001 11:10 AM
To: McCarty, Danny
Subject: worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >>  << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-Portland@enron.com', 'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT);
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com,' , 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&TV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website. ');
INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

I spoke with Rickey (boy, is he long-winded!!). Gave him the name of our credit guy, Russell Diamond.

Thank for your help!');
INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', '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>
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’ourke@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
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 ;
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. ');

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@mhhhs.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 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

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 8577
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');
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',


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.

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

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

agyoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <liburke@nisource.com>
c: " - *Heckathorn, Tom" <theckathorn@enisource.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, 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', ' Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 8583
-----Original Message-----
From: Punja, Karim  
Sent: Thursday, December 13, 2001 2:35 PM  
To: Richey, Cooper  
Subject: Contact Info

Cooper,  

It's been a real pleasure working with you (even though it was for only a small amount of time) 
I hope we can stay in touch.  

Home# 234-0249  
email: kpunja@hotmail.com  

Take Care,  

Karim.  

');

INSERT INTO email(from,[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com,
mcguinn.ian@enron.com, mcguinn.stephen@enron.com', 'email address change', 'Hello all. 
I haven’t talked to many of you via email recently but I do want to give you 
my new address for your email file:

   bjm30@earthlink.net

I hope all is well. 

Brian McGuinn');

INSERT INTO email(from,[to],subject,body) VALUES('shelley.corman@enron.com', 'steve.hotte@enron.com', 'Flat Panels', 'Can you please advise what is going on with the flat panels that we had planned to distribute to our gas logistics team. It was in the budget and we had the okay, but now I’m hearing there is some hold-up & the units are stored on 44.

Shelley');

INSERT INTO email(from,[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com', '2001 Enron Law Conference (Distribution List 2)', 'Enron Law Conference

San Antonio, Texas    May 2-4, 2001    Westin Riverwalk 

See attached memo for more details!!

? Registration for the law conference this year will be handled through an Online RSVP Form on the Enron Law Conference Website at

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.
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

Re: Tennessee Buy - Louis Dreyfus
Beverly - once again thanks so much for your help on this.

Please contact me if you have any questions regarding last week's prices.

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.

Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

RE: Constellation TC 5-7-01
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', 'jacqeste@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');
INSERT INTO email([from],[to],subject,body) VALUES('d..thomas@enron.com', 'naveed.ahmed@enron.com', 'FW: Current Enron TCC Portfolio', ' ');
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
')

---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 &'; 'CALENDAR ENTRY:APPOINTMENT

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

---

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

---

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:
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/litebyztzoolzprint.jpg');
COMMIT;
} 
{}

###############################################################################
# Everything above just builds an interesting test database. The actual
# tests come after this comment.
###############################################################################
do_test fts1c-1.2 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
  }
} {6 17 25 38 40 42 73 74}
do_test fts1c-1.3 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
  }
} {24 40}
do_test fts1c-1.4 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  }
} {40}
do_test fts1c-1.5 {
  execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
  }
} {40}
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.
#
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
#

Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 8595
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>&lt;b&gt; Request <b>Reminder</b>&lt;b&gt; }}
do_test fts1c-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
} } {{&lt;b&gt;...&lt;/b&gt; place.? What do you think about going here &lt;b&gt;Christmas&lt;/b&gt; eve?? They have an 11:00 a.m. service and a &lt;b&gt;candlelight&lt;/b&gt; service at 5:00 p.m., among others. &lt;b&gt;...&lt;/b&gt; }}
do_test fts1c-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} } {{EOL-Accenture &lt;b&gt;Deal&lt;/b&gt; &lt;b&gt;Sheet&lt;/b&gt; &lt;b&gt;...&lt;/b&gt; intent
Review Enron asset base for &lt;b&gt;potential&lt;/b&gt; &lt;b&gt;reuse&lt;/b&gt;/ licensing
Contract negotiations &lt;b&gt;...&lt;/b&gt; }}
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'
  }
} } {{&lt;b&gt;chris&lt;/b&gt;.germany@enron.com &lt;b&gt;...&lt;/b&gt; Sounds good to me. I bet this &lt;b&gt;is&lt;/b&gt; next to the Warick??
Hotel. &lt;b&gt;...&lt;/b&gt; place.? What do you think about going &lt;b&gt;here&lt;/b&gt; Christmas
eve?? They have an 11:00 a.m. &lt;b&gt;...&lt;/b&gt; }}
do_test fts1c-4.7 {
  execsql {
    SELECT snippet(email) FROM email
WHERE email MATCH "pursuant to"

} {{Erin:

Pursuant to your request, attached are the Schedule to ...

} }
do_test fts1c-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
} {{pete.davis@enron.com Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING ...

# Combinations of AND and OR operators:
#

} }
do_test fts1c-5.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
  }
} {{matt.smith@enron.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'
  }
} {{matt.smith@enron.com six reports:
31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2 ...

} }

finish_test

Found in path(s):
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-
# 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

if capable !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}
1110.0  "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}

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}
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}
}
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 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 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}
}

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}
}

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}
}

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"
   {}
}

#-------------------------------------------------------------------------
# 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'
}
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 a 1 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.

- 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);
} {}
# 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]
#}

# # x1, x2 (Nlhs=3, Nrhs=2) (Mlhs=2, Mrhs=3)
# do_join_test e_select-1.4.3.2 {
# expr [{llength [execsql {SELECT * FROM x1, x2}] / 6}
# 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*3]
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 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');
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 l 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}
}
# 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).

# 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.

# 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_join_test e_select-1.7.$tn $select $res

```sql
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

```sql
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}
```

### do_select_tests e_select-1.9

```sql
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} {}
```

### 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-3.2.1 { 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');
  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.*, z1.* 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 -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 {} 21 51.65 -59.58 belfries {} 21}
}
# 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" {
   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
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 $nRow==1 and that statement execution was successful
  # (rc==SQLITE_OK).
  do_test e_select-4.$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, 'f');
    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);

# 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 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}
}```
The expressions in a GROUP BY clause may not be aggregate expressions.

EVIDENCE-OF: R-63573-50730

# 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.

# EVIDENCE-OF: R-04132-09474 If the HAVING clause is an aggregate expression, it is evaluated across all rows in the group.

# 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.

# EVIDENCE-OF: R-55403-13450 The HAVING expression may refer to values, even aggregate functions, that are not in the result.

# EVIDENCE-OF: R-55403-13450

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 1+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');

    CREATE TABLE h1(a, b, c);
    INSERT INTO h1 VALUES(1, 'one', 'One');
    INSERT INTO h1 VALUES(1, 'I', 'One');
    INSERT INTO h1 VALUES(1, 'i', 'One');
    INSERT INTO h1 VALUES(4, 'four', 'One');
    INSERT INTO h1 VALUES(4, 'IV', 'One');
    INSERT INTO h1 VALUES(4, 'iv', 'One');

    CREATE TABLE h2(x COLLATE nocase);
    INSERT INTO h2 VALUES('One');

    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');

    CREATE TABLE h1(a, b, c);
    INSERT INTO h1 VALUES(1, 'one', 'One');
    INSERT INTO h1 VALUES(1, 'I', 'One');
    INSERT INTO h1 VALUES(1, 'i', 'One');
    INSERT INTO h1 VALUES(4, 'four', 'One');
    INSERT INTO h1 VALUES(4, 'IV', 'One');
    INSERT INTO h1 VALUES(4, 'iv', 'One');

    CREATE TABLE h2(x COLLATE nocase);
    INSERT INTO h2 VALUES('One');

    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');

    CREATE TABLE h1(a, b, c);
    INSERT INTO h1 VALUES(1, 'one', 'One');
    INSERT INTO h1 VALUES(1, 'I', 'One');
    INSERT INTO h1 VALUES(1, 'i', 'One');
    INSERT INTO h1 VALUES(4, 'four', 'One');
    INSERT INTO h1 VALUES(4, 'IV', 'One');
    INSERT INTO h1 VALUES(4, 'iv', 'One');

    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 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" {{} 2,3 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 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 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}}
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} {
    # EVIDENCE-OF: R-01450-11152
    "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 UNION SELECT a, b FROM j1" {UNION}
   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}
}
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"
   \{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
}

# EVIDENCE-OF: R-08531-36543 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}
}
# EVIDENCE-OF: R-20560-39162 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 count(*) FROM q1 UNION SELECT min(e) FROM q2}
   {-16.56 3}
4   {SELECT * FROM q2 UNION SELECT * FROM q3}
   {-65.91 4 beauty 2 emanating -16.56 legible 1}
}

# 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} {}

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}
}
# 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-7.12.0: Precedence of UNION vs. INTERSECT
# 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]
}
```sql
#

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 {
  "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 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" {
     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 -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

### 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 #/
}
Otherwise, if the ORDER BY expression is any other expression, it is evaluated and the returned value used to order the output rows.

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 1 4 93 2 4 93
    }
}

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');
} {}

# 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.

```sql
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}
```

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.

```sql
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}
```

Otherwise, the BINARY collation sequence is
used.

```sql
do_execsql_test e_select-8.12.1 {
    SELECT x FROM d4 ORDER BY x||''
} {DEF JKL abc ghi}
```

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
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, '1');
    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   { 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   { 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   { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY b }
   {f 1  c 4  4 c  1 f}
6   { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 2 }
   {f 1  c 4  4 c  1 f}
7   { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY a }
   {1 f  4 c  4 c  f 1}
8   { SELECT a, b FROM d5 UNION ALL SELECT b, a FROM d5 ORDER BY 1 }
   {1 f  4 c  4 c  f 1}
9   { 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  { 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  { 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  { 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 {
  %s ORDER BY term does not match any column in the result set
}
1 { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a+1 } 1st
2 { SELECT a FROM d5 UNION SELECT c FROM d6 ORDER BY a, a+1 } 2nd
3 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY 'hello' } 1st
4 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY blah } 1st
5 { SELECT * FROM d5 INTERSECT SELECT * FROM d6 ORDER BY c,d,c+d } 3rd
6 { 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 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY a, d }  {1 e 1 f 4 b 4 c}
2 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY c-1, b }  {1 e 1 f 4 b 4 c}
3 { SELECT a, b FROM d5 UNION ALL SELECT c-1, d FROM d6 ORDER BY 1, 2 }  {1 e 1 f 4 b 4 c}
}

# 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)
#  }
#} {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 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.
#
# 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.
#
# 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.
#
# 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.
#
# 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.
#
# 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.
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}

}
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 !fts1 {
    finish_test
    return
}

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  abbess
    abbey  abbei
    abbeys  abbei
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frivolous frivol
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frog frog
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froissart froissart
frolic frolic
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The text appears to be a list of words with similarities in spelling or pronunciation. Here are the words:

- gargrave
- garish
- garland
- garlands
- garlic
- garment
- garments
- garner
- garners
- garnish
- garnished
- garret
- garrison
- garrisons
- gart
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- gartering
- garters
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gertrude      gertrud
gest         gest
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yokefellow
yokes
yoketh
yon
# Create a full-text index to use for testing the stemmer.
#
$db close
sqlite3 db :memory:
$db eval {
  yond  yond
  yonder yonder
  yongrey yongrei
  yore  yore
  yorick yorick
  york  york
  yorkists yorkist
  yorks  york
  yorkshire yorkshire
  young  young
  younger younger
  youngest youngest
  youngling youngl
  younglings youngl
  youngly youngli
  youngmer youngmer
  yours  your
  yourself yourself
  yourselves  yourself
  youth  youth
  youthful youth
  youths  youth
  youtli  youtli
  zanies  zani
  zany  zani
  zeal  zeal
  zealous zealou
  zeals  zeal
  zed  zed
  zenelophon  zenelophon
  zenith  zenith
  zephyrs  zephyr
  zir  zir
  zo  zo
  zodiac  zodiac
  zodiacs  zodiac
  zone  zone
  zounds  zound
  zwagger  zwagger
}

# Create a full-text index to use for testing the stemmer.

$db close
sqlite3 db :memory:
$db eval {
  yond  yond
  yonder yonder
  yongrey yongrei
  yore  yore
  yorick yorick
  york  york
  yorkists yorkist
  yorks  york
  yorkshire yorkshire
  you  you
  young  young
  younger younger
  youngest youngest
  youngling youngl
  younglings youngl
  youngly youngli
  youngmer youngmer
  yours  your
  yourself yourself
  yourselves  yourself
  youth  youth
  youthful youth
  youths  youth
  youtli  youtli
  zanies  zani
  zany  zani
  zeal  zeal
  zealous zealou
  zeals  zeal
  zed  zed
  zenelophon  zenelophon
  zenith  zenith
  zephyrs  zephyr
  zir  zir
  zo  zo
  zodiac  zodiac
  zodiacs  zodiac
  zone  zone
  zounds  zound
  zwagger  zwagger
}
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):
No license file was found, but licenses were detected in source scan.

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: procsset Adobe_CoolType_Core 2.31 0

Found in path(s):
/*
** 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_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 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_soft_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 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>

**
** [[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
** <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
** 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.  
** </dd>  
*/

Found in path(s):  
* /opt/cola/permits/1326815419_1652450724.2945325/0/sqlite-3.7.17-8.el7.src.rpm-cosi-expand-archive-HmFjFog/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
# 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://expensesms.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

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);

-----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
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), WSCL (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 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

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
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=Wes...11/07/2001 is now available for viewing on the website..');
```

LS HPL LSK IC  30.000 / Enron

Is it safe to assume that practice is cancelled for tonight??
Here is the curve 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)"

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');

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][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]

[IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', '. The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA"s in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!

Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.

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)

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 Katylagte 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
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
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');
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');

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', 'jacqeste@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???
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', '<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.');

-----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

INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3; <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE -->> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
  Details: (Hour: 3 / Preferred:  1.92 / Final:  1.89)
TRANS_TYPE: FINAL
LOAD_ID: PGE4
MKT_TYPE: 2
TRANS_DATE: 4/22/01
SC_ID: EPMI

'):
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.'
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/litebyzttoolzprint.jpg');
    COMMIT;
} {}
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 {2042321548}}
do_test fts3ac-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
      WHERE body MATCH 'gas reminder'
  }
} {20 {304233154830129330143302403}}

# 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 {30945301145302075312137302455312517304095314157314937}}
do_test fts3ac-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
      WHERE body MATCH "'child product'"
  }
} {32 {302075312137302455312517304095314157}}

# 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'
  }
}
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'
}
}

Erin:

<Pursuant> to your request, attached are the Schedule to the ISDA Master Agreement, together.

LOG

# Combinations of AND and OR operators:
#
do_test fts3ac-5.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
}

<No ancillary schedules awarded detected in Load schedule.>

LOG
WHERE email MATCH 'questar enron OR com'
}
} {{matt.smith@enron.com...31 Keystone Receipts 15 <b>Questar</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@enron.com...31 Keystone Receipts 15 <b>Questar</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 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.

%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}
%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
# 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.
ifcapable !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 | 5000
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');
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, 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', 'boni...
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
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

'});
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

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.'
-----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@mhhso.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 Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal: East Northeast
Dick Jenkins: East MARKETeast

WK

');
INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their
calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

I saw it. Very interesting.

Vince

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');

INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com', 'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you '):
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

Dear SmartReminders Member,
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.

Marcie, 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

'Re: General Brinks Position Meeting', 'Eloy,

Who is General Brinks?

Fletch');
INSERT INTO email([from],[to],subject,body) VALUES('nailia.dindarova@enron.com',
'rerichard.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)

Thomas A Martin
10/11/2000 03:55 PM
To: Patrick Wade/HOU/ECT@ECT
cc:
Subject: Re: Guadalupe Power Partners LP

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: "    *Koch, Kent" <kkoch@nisource.com>, "            "
    "*Millar, Debra" <dmillar@nisource.com>, "            *Burke, Lynn"
    <lburke@nisource.com>
cc: "            *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution”s Capacity Available for Release - Sum

Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc
');
INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com','tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com,','Split Rock Energy LLC','We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com','jack.speer@alcoa.com, crow@millernash.com, michelearly@earthlink.net,','Oral Argument Request',' - Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com','rlmichaelis@hormel.com',' ','Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com','trycooper@hotmail.com',' 'FW: Contact Info',' ')

-----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)', '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.
From: Bryce Baxter                           06/12/2000 07:15 PM

To: Darron C Giron/HOU/ECT@ECT
cc: 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

');
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.

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;

-----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
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',

<< File: enrontccs.xls >>
‘Centana’, ‘Talked to Chip. We do need Cash Committee approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks

chris
x31666’);

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:
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 PGC’);

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'dperlin@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 PGC’);
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/

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:
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/litebyzttoolzprint.jpg);

    COMMIT;

} {}
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 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 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> <b>...</b> intent
    Review Enron asset base for <b>potential</b> <b>reuse</b>/ 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'
}
} {{<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 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@enron.com ... six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2 ...
}
do_test fts2c-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 Production
22 West_2 ...
}

finish_test

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.

{string currentfile exch readstring pop}executeonly def

Found in path(s):
* /...
No license file was found, but licenses were detected in source scan.

)print dup( )cvs print

Found in path(s):
* {cvs $error/erroname get(Error
1.816 geo-ip 1.5.0

1.816.1 Available under license:

[Note that while the core GeoIP library is licensed under the LGPL, the libGeoIPUpdate library depends on md5.c and types.h which are licensed under the GPL.

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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

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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/ContextExposingHttpServletRequest.java
* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.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/request/ServletWebRequest.java
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  jar/org/springframework/http/client/support/ProxyFactoryBean.java
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  jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
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  jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java
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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-
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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2.jar/org/springframework/http/client/OkHttp3ClientHttpRequest.java
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
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lib/krb5/kdb/kdb_hdr.h
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lib/krb5/kdb/kdb_log.h
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lib/libgss/g_delete_sec_context.c
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lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
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lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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#
1.825 opensaml-xmlsec-impl 3.4.6

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1.826 error_prone_annotations 2.5.1

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1.827 activation 1.2.2

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1.829 cryptsetup 2.0.3 6.el7
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1.832 redisson-tomcat 2.15.2

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* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/AttributesClearMessage.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/UpdateValve.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/RedissonSession.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/AttributeMessage.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/AttributesPutAllMessage.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/JndiRedissonSessionManager.java
* /opt/cola/permits/1258059135_1643027239.05/0/redisson-tomcat-7-2-15-2-sources-jar/org/redisson/tomcat/AttributeRemoveMessage.java
1.833 guava 30.1.1-jre
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1.834 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__)
    # if defined (_STLP_HAS_INCLUDE_NEXT)
      # include_next <limits.h>
    # else
      # include _STLP_NATIVE_C_HEADER(limits.h)
    # endif
  # else
  # include <limits.h>
  # endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x108)
  # include <stl/_epilog.h>
  # undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CLIMITS */

// Local Variables:
// mode:C++
// End:

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#ifndef _STLP_VECTOR
#endif
#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
#endif
#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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 */

#ifndef _STLP_CWCHAR
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x120
#define _STLP_CWCHAR
#include <stl/_prolog.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
#ifndef _STLP_INTERNAL_CWCHAR
#include <stl/_cwchar.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x120) || defined (_STLP_IMPORT_VENDOR_STD)
#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 /* _STLP_CWCHAR */

// 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/stdlib/_debug.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdlib/_iterator.h
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#ifndef _STLP_NUMERIC
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x49
#define _STLP_NUMERIC
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x49)
#ifndef _STLP_INTERNAL_NUMERIC_H
#include <stl/_numeric.h>
#endif
#endif

#ifndef _STLP_NUMERIC */

// 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/_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/stl/_stdexcept.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_rope.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/char_traits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_stdexcept_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/hash_map
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/hash_set
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/fstream.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/functional
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_stdexcept_base.c

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// Local Variables:
// mode:C++
// End:

Found in path(s):
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/***********************************************************************************
test_construct.h
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 * */

#ifndef _STLP_STRING

#endif

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#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x68
# include <stl/prolog.h>
# define _STLP_STRING
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x68)
# ifndef _STLP_INTERNAL_STRING_H
# include <stl/_string.h>
# endif
# ifndef _STLP_STRING_HASH_H
# include <stl/_string_hash.h>
# endif
# if !defined (_STLP_USE_NO_IOSTREAMS) && !defined (_STLP_STRING_IO_H)
# include <stl/_string_io.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x68) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <string>
# else
# include _STLP_NATIVE_HEADER(string)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x68)
# include <stl/epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_STRING */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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Derived from original <misc/type_traits.h> of 'complement' project
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to make it close to JTC1/SC22/WG21 C++ 0x working draft

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 */

#ifndef _STLP_ITERATOR
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x38
#endif

#define _STLP_ITERATOR

#define _STLP_INTERNAL_ITERATOR_H
#undef _STLP_INTERNAL_ITERATOR_H

#define _STLP_INTERNAL_STREAM_ITERATOR_H
#undef _STLP_INTERNAL_STREAM_ITERATOR_H

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x38
#endif

#ifndef _STLP_INTERNAL_ITERATOR_H
#define _STLP_INTERNAL_ITERATOR_H
#endif

#ifndef _STLP_INTERNAL_STREAM_ITERATOR_H
#define _STLP_INTERNAL_STREAM_ITERATOR_H
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x38) || defined (_STLP_IMPORT_VENDOR_STD)
  # if defined (_STLP_HAS_INCLUDE_NEXT)
  # include_next <iterator>
  # else
  # include _STLP_NATIVE_HEADER(iterator)
  # endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
  # include <stl/_epilog.h>
  # undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ITERATOR */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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test_string.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/codecvt.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/_messages_facets.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/_stdio_file.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/ostream.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_ios.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/numpunct.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_streambuf_iterator.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/istream.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/collate.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/facets_byname.cpp
5.2.1/stlport/stl/_ostreambuf_iterator.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/details/fstream_stdio.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/locale_impl.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/num_get_float.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/stl/_numpunct.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/strstream.cpp
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/complex.cpp
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/acquire_release.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/complex.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar-gz/STLport-5.2.1/stlport/stl/_iterator.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar-gz/STLport-5.2.1/stlport/stl/_iterator_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar-gz/STLport-5.2.1/stlport/stl/_function.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1.tar-gz/STLport-5.2.1/stlport/stl/_function_base.h

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 #ifndef _STLP_OUTERMOST_HEADER_ID
 # define _STLP_OUTERMOST_HEADER_ID 0x15

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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)
 # ifdef _STLP_INTERNAL_DEQUE_H
 # include <stl/_deque.h>
 #endif

#endif
# 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 /* _STLP_DEQUE */

// Local Variables:
// mode:C++
// End:

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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

#ifndef _STLP_INTERNAL_ISTREAM

# ifndef _STLP_INTERNAL_ISTREAM

# include <stl/_istream.h>
#endif
#endif

ifdef (_STLP_OUTERMOST_HEADER_ID == 0x1036) && 
   !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR Std))

# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_ISTREAM

# define _STLP_ISTREAM

# include <stl/_istream.h>
# endif
#endif

ifdef (_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
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_ISTREAM */

// Local Variables:
// mode:C++
// End:

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 test_hash_map.cpp

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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/_hash_fun.h

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* */

#ifndef _STLP_CSETJMP

#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>
#endif
// Local Variables:
// mode:C++
// End:

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 */

#ifndef _STLP_CWCTYPE

#ifndef _STLP_OUTERMOST_HEADER_ID
    define _STLP_OUTERMOST_HEADER_ID
#endif

#ifndef _STLP_INTERNAL_CWCTYPE
    include <stl/_cwctype.h>
#endif

#endif (_STLP_OUTERMOST_HEADER_ID == 0x121)
#define _STLP_CWCTYPE
#include <stl/_prolog.h>
#endif /* _STLP_CSETJMP */
#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
#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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  *
  */

#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):
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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.

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  */opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_range_errors.h
  */opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/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

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
#ifndef _STLP_INTERNAL_SET_H
#include <stl/_set.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x55) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <set>
#else
#include <stl/_set.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#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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* /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

#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
#define _STLP_INTERNAL_QUEUE_H
#include <stl/_queue.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x53) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <queue>
#else
#include _STLP_NATIVE_HEADER(queue)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_QUEUE */

// 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/pointers/_set.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/thread.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_typeinfo.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/errno.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stddef.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/limits.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/string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_new.h
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* /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/ostream.h
* /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/ostream.h
* /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/istream.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/isof64.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/float.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/signal.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_numeric.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_valarray.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_deque.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_vector.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tempbuf.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist_base.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.c

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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

#if (!_STLP_OUTERMOST_HEADER_ID == 0x107 )
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#ifndef _STLP use new c headers
#define _STLP use new c headers
#endif
#if (!_STLP_WCE EVC3) && (!_defined (__BORLANDC__))
#if _defined (_STLP USE NEW C HEADERS)
#if _defined (_STLP HAS INCLUDE NEXT)
#include <ciso646>
#else
#include _STLP NATIVE CPP C HEADER(ciso646)
#endif
#else
#include <iso646.h>
#endif
#endif /* _STLP USE NEW C HEADERS */
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x107 )
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
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 */

#if _STLP_OUTERMOST_HEADER_ID == 0x103
# define _STLP_OUTERMOST_HEADER_ID 0x103
# include <cassert>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x103) && ! defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
#endif

#if (!_STLP_OUTERMOST_HEADER_ID == 0x103 )
# if ! defined (_STLP_WCE_EVC3)
# if defined (_STLP_USE_NEW_C_HEADERS)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cassert>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cassert)
# endif
# else
# include <assert.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x103 )
# if ! defined (_STLP_DONT_POP_HEADER_ID)
// This header exists solely for portability. Normally it just includes
// the native header <exception>.

#ifdef _STLP_EXCEPTION

#define _STLP_OUTERMOST_HEADER_ID _STLP_INTERNAL_EXCEPTION
#endif

#ifndef _STLP_INTERNAL_EXCEPTION

#include <stl/_exception.h>
#endif

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 */

// Local Variables:
// mode:C++
// End:

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 */

// Local Variables:
// mode:C++
// End:

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/* 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:
*/
#endif
#endif
#endif
#endif /* _STLP_EXCEPTION */
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

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#ifndef _STLP_SLIST
#define _STLP_SLIST

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x58
#include <stl/_prolog.h>
#endif

#ifndef _STLP_PRAGMA_ONCE
#define _STLP_PRAGMA_ONCE
#endif

#if defined(_STLP_NO_EXTENSIONS)
/* Comment following if you want to use the slist container 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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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_unordered_set.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_workaround.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_deque.h

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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
// C++ strings.

#ifndef _STLP_SSTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1059
#include <stl/_prolog.h>
#define _STLP_SSTREAM
#endif
#endif

#ifndef _STLP_INTERNAL_SSTREAM
#include <stl/_sstream.h>
#endif

#ifdef _STLP_NO_IOSTREAMS && _STLP_IMPORT_VENDOR_STD)
#include <stl/ioserr.h>
#endif

#ifndef _STLP_INTERNAL_SSTREAM
#include <stl/_sstream.h>
#endif

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# endif
#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:

Found in path(s):
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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)
  # ifndef _STLP_INTERNAL_CSTDIO
    // remove() conflicts, <cstdio> should always go first
    # include <stl/_cstdio.h>
  # endif
  # ifndef _STLP_INTERNAL_ALGO_H
    # include <stl/_algo.h>
  # 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>
  # 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/eh/test_hash_resize.h
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/***********************************************************************************/

random_number.h

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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.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/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
#if (_STLP_OUTERMOST_HEADER_ID == 0x112)
#ifndef _STLP_INTERNAL_CSIGNAL
#include <stl/_csignal.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x112) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <csignal>
#else
#include _STLP_NATIVE_CPP_C_HEADER(csignal)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x112)
#include <stl/_epilog.h>
#endif
/* undef _STLP_OUTERMOST_HEADER_ID */
#endif /* _STLP_CSIGNAL */

// 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/csignal
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test_rope.cpp

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/******************************************************************************
test_push_back.h

Interface for the test_push_back class

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Quick start.

GNU Make (Linux, OpenBSD, FreeBSD, CygWin, etc.), with gcc:

    make -f gcc.mak depend
    make -f gcc.mak install

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 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_1607870159.27/0/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
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1032) && (!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD)))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_IOS_H
# include <stl/_ios.h>
# endif
#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
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1032)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif
#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.
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 *
 */

#ifndef _STLP_CTIME

#ifndef _STLP_OUTERMOST_HEADER_ID
  define _STLP_OUTERMOST_HEADER_ID 0x118
  include <stl/_prolog.h>
#endif

#endif

#endif

#ifndef _STLP_INTERNAL_CTIME
  include <stl/_ctime.h>
#endif

#endif

#ifndef _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)

#endif


// 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
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1034
#endif

#include <stl/_prolog.h>
#define _STLP_IOSFWD

#if (_STLP_OUTERMOST_HEADER_ID == 0x1034) &&
  (!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD)))
  &&
#endif

#include <stl/_ioserr.h>

#ifndef _STLP_INTERNAL_IOSFWD
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1034
#endif

#include <stl/_prolog.h>
#define _STLP_IOSFWD

#endif /* _STLP_CTIME */

// mode:C++
// End:
// 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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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/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

// 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

#endif /* _STLP_CFLOAT */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 * SUMMARY: Configuration #defines for STL EH test suite
 *
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 */

/**
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 * SUMMARY: Configuration #defines for STL EH test suite
 *
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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/stl/config/_native_headers.h
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version.

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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):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/c_locale.h

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 */

#ifndef _STLP_VALARRAY

#endif

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#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x76
#include <stl_prolog.h>
#define _STLP_VALARRAY
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x76)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <valarray>
#else
#include _STLP_NATIVE_HEADER(valarray)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x76) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <valarray>
#else
#include _STLP_NATIVE_HEADER(valarray)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x76)
#include <stl_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_VALARRAY */

// 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/valarray
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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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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/Tests.h
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 *
 */

#ifndef _STLP_STDEXCEPT

#if !defined (_STLP_OUTERMOST_HEADER_ID)
#define _STLP_OUTERMOST_HEADER_ID 0x63
#include <stl/_prolog.h>
#else (_STLP_OUTERMOST_HEADER_ID == 0x63) && !defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_STDEXCEPT
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x63) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <stdexcept>
#endif
#endif

#ifdef _STLP_OUTERMOST_HEADER_ID
#endif

#else (_STLP_OUTERMOST_HEADER_ID == 0x63)
#endif

#endif

#endif

#ifndef _STLP_INTERNAL_STDEXCEPT

#include <stl/_stdexcept.h>
#endif

#endif

#ifndef _STLP_HAS_INCLUDE_NEXT

#include_next <stdexcept>
#endif

#endif

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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

#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++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stack

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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 highest-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.

```cpp
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x2
#include <stl/_prolog.h>
#define _STLP_BITSET
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x2)
#ifndef _STLP_INTERNAL_BITSET
#include <stl/_bitset.h>
#endif
#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
#if (_STLP_OUTERMOST_HEADER_ID == 0x2)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_BITSET */
```

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/bitset
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 */

#ifndef _STLP_IOMANIP
#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_ISTREAMS) && 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

#endif

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#ifndef _STLP_NEW_HEADER

#if (_STLP_OUTERMOST_HEADER_ID == 0x1030)
  # include <stl/_epilog.h>
  # undef _STLP_OUTERMOST_HEADER_ID
#endif

#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)
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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
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1025
#endif /* _STLP_OUTERMOST_HEADER_ID */

/*
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   */

// Local Variables:
// mode:C++
// End:

// Local Variables:
// mode:C++
// End:

// 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/new
No license file was found, but licenses were detected in source scan.
# include <stl/_prolog.h>
# define _STLP_FSTREAM
# if defined (__DMC__) && defined (_DLL)
# define _STLP_CLASS_IMPORT_DECLS __declspec(dllimport)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1025) && !defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1025) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <fstream>
# else
# include _STLP_NATIVE_HEADER(fstream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1025)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# if defined (__DMC__) && defined (_DLL)
# undef _STLP_CLASS_IMPORT_DECLS
# define _STLP_CLASS_IMPORT_DECLS
# endif
#endif

#endif /* _STLP_FSTREAM */

// 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/fstream
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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

#ifdef _STLP_PRAGMA_ONCE
#pragma once
#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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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_insert.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/stl/config/_cray.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/config/_system.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/config/stl_mycomp.h

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/******************************************************/
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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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.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/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
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/rules-install.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/freebsd/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/clean.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/extern.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/CC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/dmc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/sunos/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/unix/rules-install-so.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/lib.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/unix/lib.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/subdirs.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/dmc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/linux/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/linux/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/Makefile
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/rules-a.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/bcc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/vc6.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/rules.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/sunos/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/CC.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/stlport/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

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/* 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
#endif
#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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==================================================================
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 /fmsvc.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 /fmsvc.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|std][_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_NEWPLATFORM_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

#ifndef _STLP_OUTERMOST_HEADER_ID
#endif

#define _STLP_LIMITS

#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)
ifndef _STLP_HAS_INCLUDE_NEXT
#include_next <limits>
#else
#include _STLP_NATIVE_HEADER(limits)
endif
endif

if (_STLP_OUTERMOST_HEADER_ID == 0x39)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
endif

#endif /* _STLP_LIMITS */

// Local Variables:
// mode:C++
// End:
Found in path(s):
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 */

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test_vector.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_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
#endif

#define _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>

# ifndef _STLP_INTERNAL_STRSTREAM
# include <stl/_strstream.h>
# endif
#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
#endif /* _STLP_STRSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */
/*
* #ifndef _STLP_CLOCALE

#define _STLP_OUTERMOST_HEADER_ID 0x109
#define _STLP_CLOCALE
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
  ifndef _STLP_INTERNAL_CLOCALE
    include <stl/_locale.h>
  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x109) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
  include_next <locale>
#else
  include _STLP_NATIVE_CPP_C_HEADER(locale)
#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):
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/*

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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/move_construct_fwk.h
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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
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)
#if defined _STLP_IMPORTED_VENDOR
#include <stl/_pair.h>
#endif
#else
#include <utility>
#endif
#endif

#include <utility>
#include <stl/_epilog.h>
#include <stl/_prolog.h>

#define _STLP_UTILITY */

// 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/utility
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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
#ifndef _STLP_INTERNAL_COMPLEX
    include <stl/complex.h>
#endif
#endif

#ifdef (_STLP_OUTERMOST_HEADER_ID != 0x10) || defined (_STLP_IMPORT_VENDOR_STD)
    include_next <complex>
#else
    include _STLP_NATIVE_HEADER(complex)
#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 */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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*/
#endif
#endif
#endif
#include <stl/_prolog.h>
#define _STLP_OSTREAM
#if (_STLP_OUTERMOST_HEADER_ID == 0x1050) && 
  !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
  # include <stl/_ioserr.h>
#define _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 /* _STLP_OSTREAM */

// 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/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>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_CMATH
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)
# ifndef _STLP_INTERNAL_CMATH
# include <stl/_cmath.h>
# endif
#endif

#if (_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

#if (_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 */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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*/

#ifndef _STLP_CSTDDEF

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x114
#define _STLP_CSTDDEF
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x114)
# ifndef _STLP_INTERNAL_CSTDDEF
# include <stl/cstddef.h>
# endif
# 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>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CSTDDEF */

// 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/cstddef
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/unordered_map
* /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_map.cpp
***********************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_map.cpp
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/***********************************************************************************
test_algobase.cpp
***********************************************************************************/

Found in path(s):
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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/_algo.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_construct.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tree.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_algobase.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tempbuf.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_map.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_pthread_alloc.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bvector.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hashtable.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_set.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_pair.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_raw_storage_iter.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_vector.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_deque.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_deque.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_vector.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_queue.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_hashtable.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_uninitialized.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_map.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stack.h

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*/

 ifndef _STLP_CCTYPE
 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 )
 # ifndef _STLP_INTERNAL_CCTYPE
 # include <stl/_ctype.h>
 # endif
 #endif

 #if (_STLP_OUTERMOST_HEADER_ID != 0x104) || defined (_STLP_IMPORT_VENDOR_STD)
 # if defined (_STLP_HAS_INCLUDE_NEXT)
 # include_next <cctype>
 # endif
 #endif
# else
# include _STLP_NATIVE_CPP_C_HEADER(cctype)
# endif
#endif

#define _STLP_OUTERMOST_HEADER_ID 0x104

#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CCTYPE */

// 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/cctype
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/lock_free_slist.h
* /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

#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)

#endif


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 */

#ifndef _STLP_TYPEINFO
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x473
#include <stl/_prolog.h>
#else (_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) || defined (_STLP_IMPORT_VENDOR_STD)
#endif
#endif

#ifndef _STLP_TYPEINFO
#endif
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x473
#include <stl/_prolog.h>
#else (_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) || defined (_STLP_IMPORT_VENDOR_STD)
#endif
#endif

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# 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:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/typeinfo
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ifndef _STLP_CSTDLIB

ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x116
#define _STLP_CSTDLIB
#include <stl/_prolog.h>
#endif

#define _STLP_EXTERNAL_HDRS_BEGIN 0x116

/* Native stdlib.h 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
#include <stl/_cstdlib.h>
#endif
#endif

if (_STLP_OUTERMOST_HEADER_ID != 0x116) || defined (_STLP_IMPORT_VENDOR_STD)
if (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstdlib>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstdlib)
#endif
#endif

if (_STLP_OUTERMOST_HEADER_ID == 0x116)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif /* _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

#if (_STLP_OUTERMOST_HEADER_ID == 0x43)

#ifndef _STLP_INTERNAL_MAP_H

#include <stl/_map.h>

#endif

#endif

#endif

#endif (_STLP_OUTERMOST_HEADER_ID != 0x43) || defined (_STLP_IMPORT_VENDOR_STD)

#if defined (_STLP_HAS_INCLUDE_NEXT)

#include_next <map>

#else

#include _STLP_NATIVE_HEADER(map)

#endif

#endif (_STLP_OUTERMOST_HEADER_ID == 0x43)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_MAP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/map

1.835 kmod 20 28.el7

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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
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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:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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send usenet/news.answers/jpeg-faq/part2

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.

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1.843 openssl 0.9.8g

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 *
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.848 tcl 8.5.13

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* @(#)CommandInfo.java	1.11 05/11/16
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/*
* @(#)ImageViewerCanvas.java	1.3 05/11/16
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* @(#)MailcapCommandMap.java	1.40 05/11/16
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 * @(#)CommandMap.java	1.19 05/11/16
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 * @(#)MimeTypeParseException.java	1.6 05/11/16
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* @(#)FileDataSource.java 1.9 05/11/16
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* @(#)LogSupport.java 1.4 05/11/16
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* @(#)DataContentHandler.java1.16 05/11/16
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*/
* @(#)ActivationDataFlavor.java1.14 05/11/16
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1.1-sources-11-
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*/
* @(#)MimeTypeFile.java1.8 05/11/16
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* @(#)MailcapFile.java 1.23 05/11/16
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* @(#)MailcapTokenizer.java 1.6 05/11/16
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1.862 jersey-guava 2.12

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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ContiguousSet.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/SortedLists.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/math/DoubleUtils.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/math/package-info.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/UncheckedExecutionException.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ImmutableAsList.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/HashFunction.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/EmptyImmutableSortedMultiset.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/HashCode.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
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/jar/jersey/repackaged/com/google/common/hash/Hashing.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/Funnel.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/Funnels.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/Queues.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/HashCodes.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/BoundType.java

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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/io/ByteSource.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/io/Closer.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/FilteredKeyMultimap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ByteSink.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ClassPath.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/RegularImmutableSortedMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/io/CharSource.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/io/ByteSink.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/ServiceManager.java

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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/Count.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/SortedIterables.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/ImmutableSortedMultiset.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/RegularImmutableSortedMultiset.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/AbstractRangeSet.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/primitives/UnsignedLongs.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/RangeSet.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/primitives/UnsignedInteger.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/primitives/UnsignedInts.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
jar/jersey/repackaged/com/google/common/collect/GeneralRange.java 
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
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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/jersey/repackaged/com/google/common/collection/MapMakerInternalMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
  jar/jersey/repackaged/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-
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  jar/jersey/repackaged/com/google/common/collection/EmptyImmutableMultiset.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/CartesianList.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collection/ForwardingSetMultimap.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/collect/RowSortedTable.java
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* /opt/cola/permits/1137117051_1614015979.48/0/jersey-guava-2-12-sources-2-jar/jersey/repackaged/com/google/common/util/concurrent/ForwardingBlockingQueue.java
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1.873 kerberos 1.15.1 34.el7

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(cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/meh/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.885 guava 30.1-jre

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Strings.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
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jar/com/google/common/graph/StandardValueGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/StandardNetwork.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
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jar/com/google/common/graph/StandardMutableGraph.java

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jar/com/google/common/collection/ArrayListMultimap.java
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jar/com/google/common/collection/MapDifference.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Streams.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/Platform.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Internal.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/LittleEndianByteArray.java
* /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
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AggregateFutureState.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/collect/JdkBackedImmutableMultiset.java
* /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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  jar/com/google/common/util/concurrent/IgnoreJRERequirement.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/util/concurrent/Striped.java
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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/math/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/cache/Cache.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/cache/ForwardingCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/math/BigIntegerMath.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/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/collect/Queues.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
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/math/LongMath.java
* /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
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/util/concurrent/FutureCallback.java
* /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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jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /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
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/SortedIterable.java
* /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/CountRange.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ImmutableSortedMultiset.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.
*
* TODO(kevinb): support concurrently modified collections?
*
* @param c the collection for which to return an array of elements
*/

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/**
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
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  jar/com/google/common/base/SmallCharMatcher.java
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  jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1119092615_1608716259.54f0/guava-30-1-jre-sources-1-
  jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1119092615_1608716259.54f0/guava-30-1-jre-sources-1-
  jar/com/google/common/base/MoreObjects.java
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  jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1119092615_1608716259.54f0/guava-30-1-jre-sources-1-
  jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1119092615_1608716259.54f0/guava-30-1-jre-sources-1-
  jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1119092615_1608716259.54f0/guava-30-1-jre-sources-1-
  jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FluentFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ImmediateFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/CaseFormat.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Java8Usage.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableBiMap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/IndexedImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/IndexedImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashMap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
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jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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jar/com/google/common/collection/CompactHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/AbstractNavigableMap.java

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 */
/**
 * Holder for extra methods of { @code Objects} only in web. Intended to be empty for regular
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/*
 * This following method is a modified version of one found in
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/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/common/collect/Tables.java
* /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/collect/Serialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapEntrySet.java
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/Platform.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Range.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMapKeySet.java

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  jar/com/google/common/collection/ImmutableRangeSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractBaseGraph.java
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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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  jar/com/google/common/reflect/Reflection.java
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 */
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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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jar/com/google/common/collection/TopKSelector.java
* /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
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/io/RecursiveDeleteOption.java
* /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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jar/com/google/common/graph/Network.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/LongAdder.java
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  * /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
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  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
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  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-
jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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
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jar/com/google/common/primitives/Ints.java
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jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
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jar/com/google/common/collect/MinMaxPriorityQueue.java
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jar/com/google/common/collect/AbstractSequentialIterator.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SparseImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/MapMakerInternalMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/Platform.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Cut.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SettableFuture.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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 */
/**
 * Holder for web specializations of methods of { @code Floats}. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ArrayTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TableCollectors.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SingletonImmutableList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
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I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

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

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

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axTLS  http://axtls.sourceforge.net/

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

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

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

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

krb4

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

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

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fbopenssl

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

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1.895 xalan 2.7.0

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1.896 hk2-locator 2.3.0-b10

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1.898 javax-inject 2.3.0-b10

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1.904 jackson-jaxrs-base 2.9.9

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.
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* /opt/cola/permits/1277992500_1645786794.21/0/opensaml-soap-api-3-4-6-sources-jar/org/opensaml/soap/wssecurity/Username.java
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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.

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work

under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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.

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

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.

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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting
distribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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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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distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

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.

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

---------

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=
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GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMai: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> 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...
> Subject: [Cracklib-devel] cracklib license
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Re: [Cracklib-devel] cracklib license
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> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

The original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... I didn't notice the license change until it was mentioned in the latest notes.

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 a library to dictate 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
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.

-- Nathan

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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> 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.

Devlin
--
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
> > > 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
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> > > > > additional code, so whatever licensing you all come up with is fine
> > > > by me.
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> > > I am sympathetic. Guys, what do you reckon?
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL....
>
> 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
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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.
> >
> > 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 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 I91Gxtrpr020623
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])
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)
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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be using.
thus LGPL-2.1 enters to fill this void.

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
> > 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.

Cheers,

Nalin

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

Attachments: Message as HTML
> > > 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
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 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] (helo=192.168.1.3)]
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
 id 11cOcX-0004Qt-6L
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.938 spring-beans 2.0.6
1.938.1 Available under license:

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Version 2.0, January 2004

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1.939 cffi 1.6.0

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1.940 esapi 2.0.1

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

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

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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-
  jar/org/owasp/esapi/waf/rules/RuleUtil.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/actions/Action.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/actions/BlockAction.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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* @author Pawan Singh (pawan.singh@owasp.org) <a href="www.owasp.org">OWASP</a>
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/util/DefaultMessageUtil.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.
 */

<p><b>Compatibility with earlier ESAPI versions:</b> The symmetric encryption
 * in ESAPI 2.0 and later is not compatible with the encryption in ESAPI 1.4
 * or earlier. Not only are the interfaces slightly different, but they format
 * of the serialized encrypted data is incompatible. Therefore, if you have
 * encrypted data with ESAPI 1.4 or earlier, you must first encrypt it and
 * then re-encrypt it with ESAPI 2.0. Backward compatibility with ESAPI 1.4
 * was proposed to both the ESAPI Developers and ESAPI Users mailing lists
 * and voted down. More details are available in the ESAPI document
 * <a href="http://owasp-esapi-java.googlecode.com/svn/trunk/documentation/esapi4java-core-2.0-readme-crypto-
 changes.html">Why Is OWASP Changing ESAPI Encryption?</a>

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

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

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

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

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

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

*/

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

@author Jeff Williams (jeff.williams@aspectsecurity.com)

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/IntrusionException.java
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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 ever changed, we risk breaking backward compatibility of being able to decrypt data previously encrypted with earlier / different versions
of this method. Therefore, do not change this unless you are 100% certain that
what you are doing will NOT change either of the derived keys for
ANY "key derivation key" AT ALL!!!
* otherwise false.
* @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()
*/

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* /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>
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/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/PushbackString.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/Encoder.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/BaseValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/PushbackString.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/IntegerValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
jar/org/owasp/esapi/errors/AccessControlException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EncodingException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationLoginException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/UnixCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/HTMLEntityCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/VBScriptCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/EncryptedProperties.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/CertificateException.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/errors/EncryptionRuntimeException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EnterpriseSecurityRuntimeException.java

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 * 
 * @author 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
 */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/ESAPI.java
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 *
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created February 6, 2009
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 *
 * @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
 */

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* @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2008
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/LogFactory.java
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/**
 * Encodes and decodes to and from Base64 notation.</p>
 * Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * 
 * The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gziping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.</p>
 * 
 * The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 * 
 * <code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );</code>
 * 
 * to compress the data before encoding it and then making the output have no newline characters.</p>
 * 
 * Change Log:
 * 
 * <ul>
 * <li>v2.2.2 - Fixed encodeFileTo<code>File</code> and decodeFileTo<code>File</code> to use the
 * Base64.<code>InputStream</code> class to encode and decode on the fly which uses
 * less memory than encoding/decoding an entire file into memory before writing.</li>
 * <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
 * when using very small files (~< 40 bytes).</li>
 * <li>v2.2 - Added some helper methods for encoding/decoding directly from
 * one file to the next. Also added a main() method to support command line
 * encoding/decoding from one file to the next. Also added these Base64 dialects:
 * </ul>
 * 
 * The default is RFC3548 format.</li>
 * <li>Calling Base64.<code>setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT)</code> generates
URL and file name friendly format as described in Section 4 of RFC3548.

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/rfc-1940.html

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

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

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

v2.0.1 - Fixed an error when decoding a single byte, that is, when the
encoded data was a single byte.

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

v1.5.1 - Fixed bug when decompressing and decoding to a
byte[] using decode( String s, boolean gzipCompressed )

Added the ability to "suspend" encoding in the Output Stream so
you can turn on and off the encoding if you need to embed base64
data in an otherwise "normal" stream (like an XML file).

v1.5 - Output stream passes on flush() command but doesn't do anything itself.
This helps when using GZIP streams.

v1.4 - Added helper methods to read/write files.

v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.

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

v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.

v1.3.3 - Fixed I/O streams which were totally messed up.

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.

@author Robert Harder
@author rob@iharder.net
@version 2.2.2
*/

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

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

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

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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.
 * @param keyDerivationKey A key used as an input to a key derivation function
 * to derive other keys. This is the key that generally
 * is created using some key generation mechanism such as
 * @link #generateSecretKey(String, int). The
 * "input" key from which the other keys are derived.
 */
* The derived key will have the same algorithm type
* as this key. This KDK cannot be null.
* @param keySize The cipher's key size (in bits) for the [code keyDerivationKey].
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* @param purpose The purpose for the derived key. For the ESAPI reference implementation,
* [code JavaEncryptor], this <i>must</i> be either the string "encryption" or
* "authenticity", where "encryption" is used for creating a derived key to use
* for confidentiality, and "authenticity" is used for creating a derived key to
* use with a MAC to ensure message authenticity. However, since parameter serves
* the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
* be set to anything other than [code null] or an empty string when called outside
* of [code JavaEncryptor].
* @return The derived [code SecretKey] to be used according
* to the specified purpose.
* @throws NoSuchAlgorithmException The [code keyDerivationKey] has an unsupported
* encryption algorithm or no current JCE provider supports
* "HmacSHA1".
* @throws 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.
*/

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
jar/org/owasp/esapi/crypto/KeyDerivationFunction.java
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* 
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
/**
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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```
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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/reference/Log4JLogFactory.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/DefaultSecurityConfiguration.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/HTTPUtilities.java
```
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

/**
 * Executes a system command after checking that the executable exists and
 * escaping all the parameters to ensure that injection is impossible.
 * Implementations must change to the specified working
 * directory before invoking the command.
 *
 * @param executable
 * the command to execute
 * @param params
 * the parameters of the command being executed
 * @param workdir
 * the working directory
 * @param codec
 * the codec to use to encode for the particular OS in use
 * @param logParams
 * use false if any parameters contains sensitive or confidential information
 *
 * @return the output of the command being run
 *
 * @throws ExecutorException
 * the service exception
 */

Found in path(s):
* /opt/cola/permits/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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* The following generic JCE provider names are built-in:

* SunJCE
* IBMJCE [for WebSphere]
* GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]
* BC [i.e., Bouncy Castle]
* IAIK
* CryptixCrypto (or Cryptix)
* ABA

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

* For those working in the U.S. federal government, it should be noted that none 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 <i>last</i> 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):
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
 * Return a { @code List} of strings of combined cipher modes that support
 * <b>both</b> confidentiality and authenticity. These would be preferred
 * cipher modes to use if your JCE provider supports them. If such a
 * cipher mode is used, no explicit <i>separate</i> MAC is calculated as part of
 * the { @code CipherText} object upon encryption nor is any attempt made
 * to verify the same on decryption.
 * </p><p>
 * The list is taken from the comma-separated list of cipher modes specified
 * by the ESAPI property
 * { @code Encryptor.cipher_modes.combined_modes}.
 *
@return The parsed list of comma-separated cipher modes if the property
was specified in `{@code ESAPI.properties}`; otherwise the empty list is
returned.
*/

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

/**
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 *
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 *
 * @author Arshan Dabirsiaghi <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @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

1.941 cxf-tools-common 3.5.0

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Protocol Buffers for Go with Gadgets

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

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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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* $Id: Token.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $
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* jar/com/werken/saxpath/XPathLexer.java
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* 17:05:34 jstrachan Exp $
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* $Revision: 1.2 $
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* $Id: XPathReader.java,v 1.22 2002/04/26 17:05:34 jstrachan Exp $
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* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
jar/com/werken/saxpath/XPathReader.java
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* $Revision: 1.8 $
* $Date: 2002/04/26 17:05:34 $
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 * $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/Axis.java,v 1.11 2002/04/26 17:05:34 jstrachan Exp$
 * $Revision: 1.11 $
 * $Date: 2002/04/26 17:05:34 $
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* $Id: Axis.java,v 1.11 2002/04/26 17:05:34 jstrachan Exp $
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* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/org/saxpath/Axis.java
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/*
* $Header: /cvsroot/saxpath/saxpath/src/java/main/org/saxpath/SAXPathException.java,v 1.3 2002/04/26 17:05:34 jstrachan Exp $
* $Revision: 1.3 $
* $Date: 2002/04/26 17:05:34 $
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* /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-jar/org/saxpath/SAXPathException.java

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  jar/org/saxpath/conformance/ConformanceXPathHandler.java
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  17:05:34 jstrachan Exp $
* $Revision: 1.4 $
* $Date: 2002/04/26 17:05:34 $
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  /opt/cola/permits/1111238015_1606882887.13/0/saxpath-1-0-fcs-sources-1-
jar/com/werken/saxpath/TokenTypes.java

1.952 bcel-findbugs 6.0

1.953 reactive-streams 1.0.3

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1.955 patch 2.7.1-12.el7

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<signature of Ty Coon>, 1 April 1990
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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 <rjm@metzlerbros.de>
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
procedure and CyberLogin is no longer used.)

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

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Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
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for many bugfixes

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for the tda1004x frontend driver, and various bugfixes

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

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for adding support for Typhoon DVB-S budget card

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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

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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.

(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.
 * 
 * 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_nicstart() 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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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-jar/org/apache/commons/beanutils/LazyDynaMap.java
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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-jar/org/apache/commons/beanutils/converters/DoubleConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-jar/org/apache/commons/beanutils/locale/converters/LongLocaleConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-jar/org/apache/commons/beanutils/locale/converters/BasicDynaBean.java
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#
#
# This module defines the NIO XNIO provider
# org.xnio.nio.NioXnioProvider

Found in path(s):
* /opt/cola/permits/1174807923_1624022882.76/0/xnio-nio-3-8-4-final-sources-jar/META-INF/services/org.xnio.XnioProvider
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* /opt/cola/permits/1174807923_1624022882.76/0/xnio-nio-3-8-4-final-sources-jar/org/xnio/nio/NioSocketStreamConnection.java
* /opt/cola/permits/1174807923_1624022882.76/0/xnio-nio-3-8-4-final-sources-jar/org/xnio/nio/AbstractNioStreamConnection.java
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## jQuery v3.5.1

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wagon-http-lightweight (3.0.0)

* License: Pending
* Project: https://maven.apache.org/wagon/
* Source: https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0

xz for java (1.8)

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1.992 servlet-api 4.0.0

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* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/HttpServlet.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/AbstractHttpServlet.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/SimpleLruCache.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/ServletURIPool.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/TlsHelper.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/ServletURI.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/SslReverseProxyMode.java
* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/org/xipki/http/servlet/package-info.java

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* /opt/cola/permits/1320304756_1651519748.12/0/servlet-api-4-0-0-sources-4-jar/META-INF/maven/org.xipki/servlet-api/pom.xml
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* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-
  jar/org/codehaus/jackson/map/MappingJsonFactory.java

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1.1009 postgresql 9.6.24

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(1)

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The original version of this class was published in a JavaWorld article by Steven Brandt:
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1016 libproxy 0.4.11 11.el7

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
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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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
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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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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.

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1.1025 asm 1.0.2

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* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/ASMUtil.java
* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/BeansAccess.java
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1.1026 api-descriptor 21.0.0-alpha-23

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* https://github.com/eclipse-ee4j/glassfish-ha-api
* 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
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* https://github.com/eclipse-ee4j/glassfish-hk2-extra
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- https://github.com/eclipse-ee4j/injection-api
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"control" means (i) the power, direct or indirect, to cause the
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1.1037 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.

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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* /opt/cola/permits/1258059239_1643027311.43/0/redisson/reactive/RedissonPipeReactive.java
* /opt/cola/permits/1258059239_1643027311.43/0/redisson/reactive/RedissonPipeReactive.java
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* /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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1.1044 ehcache-xml 3.9.3

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1.1048 trousers 0.3.14 2.el7
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1.1049 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

1.1050 libtiff 4.0.3-35.el7

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1.1051 yum-metadata-parser 1.1.4 10.el7

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1.1052 xmlschema 2.2.1

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  jar/org/apache/taglibs/standard/extra/spath/SPathParserTokenManager.java

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* JSTLXPathFactory.java
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* /opt/cola/permits/1177945123_1654022942.3547654/0/jstl-1-2-sources-1.jar/org/apache/taglibs/standard/lang/jstl/test/beans/Factory.java
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1.1057 jackson-annotations 2.13.0
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1.1062 yum 3.4.3-163.el7

1.1062.1 Available under license:

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):
     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:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
            name = oldpkgtup[0]
            arch = oldpkgtup[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
                        if arch:
                            pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
                                      pkg['version'], pkg['release'])
                        if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
                            continue
                        ret.append((pkgtup, notice))
+                        if other_arch:
+                            other_arch_list.append((pkgtup, notice))
+                        else:
+                            ret.append((pkgtup, notice))
                        notices.add(notice)
+            for pkgtup, notice in other_arch_list:
+                if notice not in notices:
+                    ret.append((pkgtup, 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
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):

def safe_iterparse(filename, logger=None):
    self._md = {
        'from' : '',
        'type' : '',
    }
@@ -58,7 +58,7 @@ class UpdateNotice(object):
            if hasattr(un, '_repoid') and un._repoid is not None:
                return un._repoid
            else:
@@ -83,6 +83,9 @@ class UpdateNotice(object):
    if elem:
        self._parse(elem)

+    self._repoid = repoid
+    self._vlogger = vlogger
+
+    def __getitem__(self, item):
+        """ Allows scriptable metadata access (ie: un['update_id']). ""
+        if type(item) is int:

+    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

+
+
+
+
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+
+

msg = _('Duplicate of %s differs in some fields:\n')
msg %= other._md['update_id']
msg += '<<<<<<< %s:%s\n' % (_rid(other), data)
msg += '%r\n=======\n%r\n' % (other._md[data], self._md[data])
msg += '>>>>>>> %s:%s' % (_rid(self), data)
# --verbose mode enables this
self._vlogger.log(logginglevels.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
# FIXME: Massive hack, Fedora is really broken and gives status=stable
# and status=testing for updateinfo notices, just depending on which
@@ -120,8 +142,10 @@ class UpdateNotice(object):
data = 'status'
if self._md[data] != other._md[data]:
if self._md[data] not in ('stable', 'testing'):
+
_log_failure(data)
return False
if other._md[data] not in ('stable', 'testing'):
+
_log_failure(data)
return False
# They are both really "stable" ...
self._md[data] = '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 += _('\nYou should report this problem to the owner of the %srepository.') % _rid(repoid, "%s ")
+
msg += _('\nIf 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:

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self._vlogger.warn("%s", msg)

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Version 2, June 1991

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* /opt/cola/permits/1228485978_1637061174.21/0/spring-expression-5-3-13-sources-jar/org/springframework/expression/EvaluationException.java
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1.1072 rngom 2.3.5

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1.1074 cxfrt-rs-extension-search 3.5.0

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1.1075 e2fsprogs 1.42.9 16.el7

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This is 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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# 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): $(OBSJS)
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Theodore Ts'o
23-June-2007
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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*uganda.txt*  For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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=== begin of license ===

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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.

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Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered.
Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

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

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

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

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

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(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 interface definition files, plus the scripts used to control compilation and installation of the library.

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d) If a facility in the modified Library refers to a function or a
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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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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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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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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.

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

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1.1103 jaxp-api 1.4.2

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 */
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
%configure
make %{?_smp_mflags}

%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/ftpboot
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>
* 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

%configure
make %{?_smp_mflags}

%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} \%_bindir \%_mandir \%_sbindir
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

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Open Source Used In Cisco Unified Communications Manager IM & Presence Service 14 SU2 MFG 11915
* 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

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

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  - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
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* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - updated tftp client to 0.17 stable (#19640),
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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).
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  - FHS packaging.
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* 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>
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* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
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  - 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

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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp.spec
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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/MCONFIG.in
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-----------------------------------------------------------------------

Found in path(s):
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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.h

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* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/tftp/extern.h
* /opt/cola/permits/1108298343_1611281305.28/0/tftp-hpa-5-2-tar-bz2/tftp-hpa-5.2/common/tftpsubs.h

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1.1117 network-manager 1.18.8-1.el7

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// The Amazon S3 DevPay token header is a special exception and can be safely moved

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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/ReplicationRule.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/transform/ProgressStaxUnmarshaller.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/transform/FilterRuleStaxUnmarshaller.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/GetBucketReplicationConfigurationRequest.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/S3KeyFilter.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/replication/BucketReplicationConfiguration.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/BucketAccelerateConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetObjectAclRequest.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/transfer/internal/PreparedDownloadContext.java
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 */
/**
 * Synchronous client for accessing Amazon S3.
 *
 * <h1>Appendix: Amazon S3 client-side encryption meta information</h1>
 *
 * <h2>Introduction</h2>
 *
 * 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<sup>TM</sup> Cryptography Architecture Standard Algorithm Name Documentation</a> for more details.
 *
 * <h2>S3 metadata vs instruction file</h2>
 *
 * 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.

* `<h2>S3 1st gen crypto meta information</h2>`

* `<p>`
* 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.

* `<h3>Scope</h3>`
* This metadata can only be generated when encrypting using the V1 encryption client,
* `{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, but can be interpreted (decrypted) by
* `{@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.

* `<p>`
* `<b>Encryption:</b> `{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode
* EncryptionOnly<br>`
* `<b>Decryption:</b> `{@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode
* EncryptionOnly or
* `{@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}, crypto mode AuthenticationOnly
* `<p>`
* `<h3>Metadata</h3>`
* `<table border=1>`
  * `<tr aligned="left">`
  * `<th>key</th>`
  * `<th>description</th>`
  * `</tr>`
  * `<tr>`
  * `<td width="200"><b>x-amz-key</b></td>`
  * `<td>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".</td>`
  * `</tr>`
  * `<tr>`
  * `<td><b>x-amz-iv</b></td>`
  * `<td>Randomly generated IV (per S3 object), base64 encoded</td>`
  * `</tr>`
  * `<tr>`
  * `<td><b>x-amz-matdesc</b></td>`
  * `<td>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).</td>`
  * `</tr>`
  * `<tr>`
  * `<td><b>x-amz-unencrypted-content-length</b></td>`
  * `<td>`
S3 2nd gen crypto meta information

This crypto meta information is used to support both authenticated encryption (which involves the use of `AES/GCM/NoPadding` 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).

Scope

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.

Encryption:

```java
Encryption:<br>[@link com.amazonaws.services.s3.AmazonS3EncryptionClient/<br>@link com.amazonaws.services.s3.AmazonS3EncryptionClient], crypto modes AuthenticatedEncryption and StrictAuthenticatedEncryption<br>Decryption:<br>[@link com.amazonaws.services.s3.AmazonS3EncryptionClient], all crypto modes, or<br>[@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2], crypto modes AuthenticatedEncryption and StrictAuthenticatedEncryption.

Note:

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.

Metadata used the same way by V1 and V2 clients

<table>
<thead>
<tr>
<th>key</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>x-amz-key-v2</code></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><code>x-amz-iv</code></td>
<td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
</tr>
<tr>
<td><code>x-amz-unencrypted-content-length</code></td>
<td>Unencrypted content length. (optional but should be specified whenever possible. Same as v1.)</td>
</tr>
<tr>
<td><strong>key</strong></td>
<td><strong>description</strong></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------</td>
</tr>
<tr>
<td><strong>x-amz-tag-len</strong></td>
<td>Tag length (in bits) when AEAD is in use. Only applicable if AEAD is in use. This meta information is absent otherwise, or if KMS is in use. Supported value: <code>&lt;code&gt;</code>128<code>&lt;/code&gt;</code></td>
</tr>
<tr>
<td><strong>x-amz-matdesc</strong></td>
<td>Customer provided material description in JSON format. (Same as v1). Used to identify the client-side master key. For KMS client side encryption, the KMS Customer Master Key ID is stored as part of the material description, <code>&lt;b&gt;x-amz-matdesc&lt;/b&gt;</code>, under the key-name <code>&lt;code&gt;</code>kms_cmk_id<code>&lt;/code&gt;</code>.</td>
</tr>
<tr>
<td><strong>x-amz-wrap-alg</strong></td>
<td>Key wrapping algorithm used. Supported values: <code>&lt;code&gt;</code>AESWrap<code>, &quot;RSA/ECB/OAEPWithSHA-256AndMGF1Padding”, &quot;kms&quot;&lt;/code&gt;</code></td>
</tr>
<tr>
<td><strong>x-amz-cek-alg</strong></td>
<td>Content encryption algorithm used. Supported values: <code>&lt;code&gt;</code>&quot;AES/GCM/NoPadding”, &quot;AES/CBC/PKCS5Padding”&lt;/code&gt;`</td>
</tr>
</tbody>
</table>

* <tr>  
  * <td><b>x-amz-tag-len</b></td>  
  * <td>Tag length (in bits) when AEAD is in use. Only applicable if AEAD is in use. This meta information is absent otherwise, or if KMS is in use. Supported value: `<code>`128`</code>`</td>  
  * </td>  
  * </tr>  
  * </table>  

* <h3>Metadata using V1 client</h3>  
* <table border=1>  
  * <tr aligned="left">  
  * <th>key</th>  
  * <th>description</th>  
  * </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. 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>`.</td>  
  * </td>  
  * </tr>  
  * <td><b>x-amz-wrap-alg</b></td>  
  * <td>Key wrapping algorithm used. Supported values: `<code>`"AESWrap", "RSA/ECB/OAEPWithSHA-256AndMGF1Padding", "kms"</code>` No standard key wrapping is used if this meta information is absent. If KMS is used for client-side encryption, always set to `<b>"kms"</b>`.</td>  
  * </td>  
  * </tr>  
  * <td><b>x-amz-cek-alg</b></td>  
  * <td>Content encryption algorithm used. Supported values: `<code>`"AES/GCM/NoPadding", "AES/CBC/PKCS5Padding”</code>` Default to `<code>`"AES/CBC/PKCS5Padding”</code>` if this key is absent.</td>  
  * </td>  
  * </tr>  
  * </table>
* </table>
* <h3>Metadata using V2 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). For KMS client side encryption, the cek algorithm is stored as part of the material description under the key-name <code>aws:x-amz-cek-alg</code>.</td>
* </tr>
* <tr>
* <td><b>x-amz-wrap-alg</b></td>
* <td>Key wrapping algorithm used.
* <ul>
* <li>Supported values: "AES/GCM/NoPadding" (symmetric default), "RSA-OAEP-SHA1", "RSA-OAEP-SHA1" (asymmetric default), "kms"</li>
* <li>No standard key wrapping is used if this meta information is absent</li>
* <li>Always set to "kms" if KMS is used for client-side encryption</li>
* </ul>
* </td>
* </tr>
* <tr>
* <td><b>x-amz-cek-alg</b></td>
* <td>Content encryption algorithm used. Supported values: "AES/GCM/NoPadding"</td>
* </tr>
* </tbody>
* </table>
* <p><h3>KMS Integration for client-side encryption</h3></p>
* <ol>
* <li>All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, <b>x-amz-wrap-alg</b> is always set to "kms".</li>
* <li>For V1 clients, the KMS Customer Master Key ID is currently stored as part of the material description, <b>x-amz-matdesc</b>, under the key-name <b>"kms_cmk_id"</b>. For V2 clients, the KMS Customer Master Key ID is not stored as part of the material description and must be supplied by the decrypting client.</li>
* </ol>
* <p><h4>Sample S3 crypto meta information for KMS client-side encryption</h4></p>
* <p>Sample S3 crypto meta information for KMS client-side encryption</p>
* <h5>V1 client, CryptoMode: EncryptionOnly</h5>*
*<pre>
x-amz-meta-x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMESlG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCpifIAAAAB+MHwGCSqGSlb3DQEHBqBvMG0CAQAwaAYJKoZIhvNAQcBMB4GCWCGSAFlAwQBBljARBAyDOrzNx3KhViWixDVcCARCAOwhZ6xA8rob3Z0mNx3uKFieHKVyiIC/PKlchALvGloVLn86mcZJNpTXtwMKkKDocVj3Z1zGjZTuF5sOH
<code>x-amz-iv: qxOHh+M6y0UogwG5SHJM3Q==</code>
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"}*
* </pre>*
* <h5>V1 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>*
*<pre>
x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMESlG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCpifIAAAAB+MHwGCSqGSlb3DQEHBqBvMG0CAQAwaAYJKoZIhvNAQcBMB4GCWCGSAFlAwQBBljARBAytfVwW4i6QmwcPK1ECARCAO1VzoM6Kx9A9DHylNMm/BEbbjle2vLA7IY7f90kUoSqrdxgKxpNID9Qal/7928m1Djtd0lJpHeJfjms89C
x-amz-iv: VZBksyij6DhrUMye
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/GCM/NoPadding
x-amz-wrap-alg: kms
x-amz-matdesc: {"aws:x-amz-cek-alg":"AES/GCM/NoPadding"}
x-amz-tag-len: 128
</pre>*
*<h5>V2 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>*
*<pre>
x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMESlG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUjBLJRua8N6RCpifIAAAAB+MHwGCSqGSlb3DQEHBqBvMG0CAQAwaAYJKoZIhvNAQcBMB4GCWCGSAFlAwQBBljARBAytfVwW4i6QmwcPK1ECARCAO1VzoM6Kx9A9DHylNMm/BEbbjle2vLA7IY7f90kUoSqrdxgKxpNID9Qal/7928m1Djtd0lJpHeJfjms89C
x-amz-iv: VZBksyij6DhrUMye
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/GCM/NoPadding
x-amz-wrap-alg: kms
x-amz-matdesc: {"aws:x-amz-cek-alg":"AES/GCM/NoPadding"}
x-amz-tag-len: 128
</pre>
* <h2>S3 metadata of an instruction file</h2>

* 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 border=1>
  * <tr aligned="left">
    * <th>key</th>
    * <th>description</th>
  * </tr>
  * <tr>
    * <td width="200"><b>x-amz-crypto-instr-file</b></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>
  * </table>

/*

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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/package-info.java
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jar/com/amazonaws/services/s3/internal/ObjectExpirationResult.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/ResponseHeaderOverrides.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketCrossOriginConfiguration.java
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jar/com/amazonaws/services/s3/transfer/internal/TransferMonitor.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/internal/DeleteObjectsResponse.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/DeleteObjectsResult.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketLifecycleConfiguration.java
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jar/com/amazonaws/services/s3/model/CopyPartRequest.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/v1/KMSSecuredCEK.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/SecuredCEK.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/AccessControlList.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources.jar/com/amazonaws/services/s3/model/TagSet.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources.jar/com/amazonaws/services/s3/internal/RestUtils.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources.jar/com/amazonaws/services/s3/model/EmailAddressGrantee.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources.jar/com/amazonaws/services/s3/internal/ServiceUtils.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
* /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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* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources.jar/com/amazonaws/services/s3/model/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
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jar/com/amazonaws/services/s3/model/RequestPaymentConfiguration.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-1-11-946-sources-
jar/com/amazonaws/services/s3/model/BucketTaggingConfiguration.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/Owner.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/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-
jar/com/amazonaws/services/s3/model/Owner.java

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jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2Params.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientParams.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/AmazonS3EncryptionClientParamsWrapper.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/transfer/KeyFilter.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/AmazonS3EncryptionClientBuilder.java

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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)
 */

Found in path(s):
* /opt/cola/permits/1258059328_1643027379.090/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ListVersionsRequest.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/GetBucketLoggingConfigurationRequest.java
* /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-jar/com/amazonaws/services/s3/model/GetBucketVersioningConfigurationRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/ListNextBatchOfVersionsRequest.java
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-jar/com/amazonaws/services/s3/model/SetBucketReplicationConfigurationRequest.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

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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.
*/

Found in path(s):
* /opt/cola/permits/1258059328_1643027379.09/0/aws-java-sdk-s3-1-11-946-sources-
jar/com/amazonaws/services/s3/model/EncryptionMaterialsProvider.java
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jar/com/amazonaws/services/s3/model/PresignedUrlDownloadConfig.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-
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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/GetObjectRetentionResult.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/model/SelectRecordsInputStream.java

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1.1127 libdnet 1.12-13.1.el7

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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
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* /opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
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Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
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jar/io/netty/handler/codec/string/LineEncoder.java
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*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
*/opt/coli/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/Delimiters.java
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*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
*/opt/cola/permits/1258059128_1643027375.42/0/netty-codec-4-1-33-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
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A decoder that splits the received ByteBufs dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.

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

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.

```
<pre>
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" |
+--------+----------------+      +--------+----------------+
</pre>
```

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.
  * <pre>
    * lengthFieldOffset   = 0
    * lengthFieldLength   = 2
    * lengthAdjustment    = 0
    * <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
  *
  * BEFORE DECODE (14 bytes)       AFTER DECODE (12 bytes)
  * +--------+----------------+      +----------------+
  * | Length | Actual Content |----->| Actual Content |
  * | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
  * +--------+----------------+      +----------------+
  * </pre>
  *
  * <h3>2 bytes length field at offset 0, do not strip header, the length field
  * represents the length of the whole message</h3>
  *
  * In most cases, the length field represents the length of the message body
  * only, as shown in the previous examples.  However, in some protocols, the
  * length field represents the length of the whole message, including the
  * message header.  In such a case, we specify a non-zero
  * <tt>lengthAdjustment</tt>.  Because the length value in this example message
  * is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
  * as <tt>lengthAdjustment</tt> for compensation.
  * <pre>
    * lengthFieldOffset   =  0
    * lengthFieldLength   =  2
    * <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
    * initialBytesToStrip =  0
  *
  * BEFORE DECODE (14 bytes)       AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
  *
  * <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
  *
  * The following message is a simple variation of the first example.  An extra
  * header value is prepended to the message.  <tt>lengthAdjustment</tt> is zero
  * again because the decoder always takes the length of the prepended data into
  * account during frame length calculation.
  * <pre>
    * <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
    * <b>lengthFieldLength</b>   = <b>3</b>
    * lengthAdjustment    = 0
  *
initialBytesToStrip = 0

BEFORE DECODE (17 bytes)       AFTER DECODE (17 bytes)
+-----------------+-----------------+-----------------+-----------------+
|  Header 1 |  Length  | Actual Content |   |  Header 1 |  Length  | Actual Content |
+----------+----------+-----------------+   | 0xCAFE  | 0x00000C | "HELLO, WORLD" |   | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
+-----------------+-----------------+-----------------+-----------------+

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" |
+-----------------+-----------------+-----------------+-----------------+

BEFORE DECODE (17 bytes)       AFTER DECODE (17 bytes)
+-----------------+-----------------+-----------------+-----------------+
| HDR1 | Length | HDR2 | Actual Content |   | HDR2 | Actual Content |
+-------+--------+-------+-----------------+   | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
+-----------------+-----------------+-----------------+-----------------+
2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field, the length field represents the length of the whole message.

Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example. We have to count the length of HDR1 and Length into lengthAdjustment.

We note that we don't need to take the length of HDR2 into account because the length field already includes the whole header length.

```java
lengthFieldOffset = 1
lengthFieldLength = 2
b[lengthAdjustment] = b - 3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3
```

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

```plaintext
HDR1 | Length | HDR2 | Actual Content |
| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD"
```

SEE LengthFieldPrepender

Found in path(s):

```plaintext
/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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      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 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 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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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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(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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1.1148 spring-context 4.3.14.RELEASE

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/BeanMethod.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/annotation/AdviceMode.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/MessageSourceAware.java

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

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*i /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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jar/org/springframework/context/support/FileSystemXmlApplicationContext.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/DependsOn.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/TriggerContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationUtils.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/Trigger.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/TriggerContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4.3.14-release-sources-2-jar/org/springframework/scheduling/Trigger.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/remoting/rmi/RmiBasedExporter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java

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

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  jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/scripting/config/LangNamespaceUtils.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/jmx/export/SpringModelMBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/instrument/classloading/WeavingTransformer.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
  jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java

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Abstract the invocation of a cache operation.

<code><pre>* <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
*/</pre></code>

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jar/org/springframework/context/annotation/Profile.java
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