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* Joao Duarte - jsvduarte@gmail.com
* Peter Kim - petedogg@gmail.com
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1.9 es6-promise 4.2.8

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1.11 which-module 2.0.0

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1.12 brotli 1.0.9

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1.26 i18n 0.6.9

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1.27 bcel 2.7.2

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 */
package org.apache.xalan;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.xalan.processor.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>"Xalan Java v:r [D]nn"</CODE>.
 * Futurework: have this read version info from jar manifest.
 * @return String denoting our current version
 */

public static String getVersion() {
    return getProduct() + " " + getImplementationLanguage() + " "
        + getMajorVersionNum() + "." + getReleaseVersionNum() + "." +
        (getDevelopmentVersionNum() > 0) ?
            ("D" + getDevelopmentVersionNum()) : ("" + getMaintenanceVersionNum());
}

/**
 * Print the processor version to the command line.
 * @param argv command line arguments, unused.
 */

public static void main(String argv[]) {
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
public static String getProduct()
{
    return "Xalan";
}

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

public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * 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.
 */

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *    implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance

drop applied to a specific release and contains
fixes for defects reported. It maintains compatibility
with the release and contains no API changes.
When missing, it designates the final and complete
development drop for a release.
*/

public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * 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;
    }
}

Found in path(s):
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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
*/

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*/
/
/*
* $Id: Version.src 468654 2006-10-28 07:09:23Z minchau $
*/
package org.apache.xml.serializer;

/**
* Administrative class to keep track of the version number of
* the Serializer release.
* <P>This class implements the upcoming standard of having
* org.apache.project-name.Version.getVersion() be a standard way
* to get version information.</P>
* @xsl.usage general
*/
public final class Version
{

/**
* Get the basic version string for the current Serializer.
* Version String formatted like
* <CODE>"<B>Serializer</B> <B>Java</B> v.r[.dd| <B>D</B>nn"]</CODE>.
* Futurework: have this read version info from jar manifest.
*
* @return String denoting our current version
*/
public static String getVersion()
{
    return getProduct()+" "+getImplementationLanguage()+" "+getMajorVersionNum()+"."+getReleaseVersionNum()+"."
+( (getDevelopmentVersionNum() > 0) ?
    ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()) ));
}

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

/**
 * Name of product: Serializer.
 */
public static String getProduct()
{
    return "Serializer";
}

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

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. ‘n’ represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * 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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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.java
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 */

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

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  jar/org/apache/xml/serializer/Encodings.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/XMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_text.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/compiler/Makefile.inc
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  jar/org/apache/xml/serializer/output_xml.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_unknown.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/HTMLEntities.properties
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/output_html.properties

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 */
/*
package org.apache.xalan.xslt.compiler;

import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;
import org.apache.xml.dtm.DTM;
import org.apache.xalan.xslt.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xslt.runtime.Operators;
import org.apache.xalan.xslt.compiler.util.ErrorMsg;

parser code {
  /**
   * Used by function calls with no args.
   */
  static public final Vector EmptyArgs = new Vector(0);

  /**
   * Reference to non-existing variable.
   */
  static public final VariableRef DummyVarRef = null;

  /**
   * Reference to the Parser class.
   */
  private Parser _parser;
  private XSLTC _xsltc;

  /**
   * 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;
    _xslt = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

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

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

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

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

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

/**
 * This method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "*[uri]:*" and "*[uri]:@*". The last two
 * patterns are expanded as "*[namespace-uri() = 'uri']" and
 * "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).
 */
public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
int nodeType;

if (test == null) {  // "*"
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
    (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;

    return new StepPattern(axis, nodeType, predicates);
}
else if (test instanceof Integer) {
    nodeType = ((Integer) test).intValue();

    return new StepPattern(axis, nodeType, predicates);
}
else {
    QName name = (QName)test;
    boolean setPriority = false;

    if (axis == Axis.NAMESPACE) {
        nodeType = (name.toString().equals("*") ? -1
            : _xsltc.registerNamespacePrefix(name));
    }
    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);
    }
    else if (name.getNamespace() == null) {
        final String local = name.getLocalPart();

        if (axis == Axis.NAMESPACE) {
            return (name.toString().equals("@*")) ? -1
                : _xsltc.registerNamespacePrefix(name);
        }
        if (name.getNamespace() == null) {
            final String local = name.getLocalPart();

            if (local.equals("@*")) {
                return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
                    NodeTest.ELEMENT;
            }
            else if (local.equals("*")) {
                return NodeTest.ATTRIBUTE;
            }
        }
    }
}


/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 */

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

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

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

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep"));
        return rlp;
    }
}

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

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 DCOLOM;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
            [: RESULT = pattern; :]
Pattern ::= LocationPathPattern:lpp
    [: RESULT = lpp; :]

LocationPathPattern ::= SLASH
    [: RESULT = new AbsolutePathPattern(null); :]

LocationPathPattern ::= SLASH RelativePathPattern:rpp
    [: RESULT = new AbsolutePathPattern(rpp); :]

IdKeyPattern ::= ID LPAREN Literal:l RPAREN
    [: RESULT = new IdPattern(l);
        parser.setHasIdCall(true);
    :]

IdKeyPattern ::= KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
    [: RESULT = new KeyPattern(l1, l2); :]

IdKeyPattern ::= IdKeyPattern:ikp SLASH RelativePathPattern:rpp
    [: RESULT = new ParentPattern(ikp, rpp); :]

IdKeyPattern ::= IdKeyPattern:ikp DSLASH RelativePathPattern:rpp
    [: RESULT = new AncestorPattern(ikp, rpp); :]

IdKeyPattern ::= DSLASH RelativePathPattern:rpp
    [: RESULT = new AncestorPattern(rpp); :]

RelativePathPattern ::= StepPattern:sp
    [: RESULT = sp; :]

RelativePathPattern ::= RelativePathPattern:rpp
    [: RESULT = rpp; :];

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
    [: RESULT = new ProcessingInstructionPattern(l); :];
StepPattern ::= NodeTestPattern:nt
    {: RESULT = parser.createStepPattern(Axis.CHILD, nt, null); :}

| StepPattern:sp D\textbackslash Slash RelativePathPattern:rpp
  {: RESULT = new AncestorPattern(sp, rpp); :} |

NodeTestPattern ::= NameTestPattern:nt
    {: RESULT = nt; :}

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

 |-- 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 ProcessingInstructionPattern:pip
   {: 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);
    :};

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

| ChildOrAttributeAxisSpecifier:axis
  ProcessingInstructionPattern:pip
    {: 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; : |
AndExpr ::= EqualityExpr:ee
    { RESULT = ee; }

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

EqualityExpr ::= RelationalExpr:re
    { RESULT = re; }

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

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

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

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

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

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

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

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

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

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

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

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

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

UnaryExpr ::= UnionExpr:ue
| { RESULT = ue; : } |

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

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

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

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

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

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

| FilterExpr:fexp DSLASH RelativeLocationPath:rlp
| { int nodeType = DOM.NO_TYPE; 
| if (rlp instanceof Step &&
| parser.isElementAxis(((Step) rlp).getAxis()))
| { nodeType = DTM.ELEMENT_NODE; }
| final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
| FilterParentPath fpp = new FilterParentPath(fexp, step);
| fpp = new FilterParentPath(fpp, rlp);
| if (fexp instanceof KeyCall == false) {
| fpp.setDescendantAxis();
| }
| RESULT = fpp; |
| : }; |
LocationPath ::= RelativeLocationPath:rlp
   { RESULT = rlp; }

   | AbsoluteLocationPath:alp
   { RESULT = alp; }

RelativeLocationPath ::= Step:step
   { RESULT = step; }

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

   | AbbreviatedRelativeLocationPath:arlp
   { RESULT = arlp; }

AbsoluteLocationPath ::= SLASH
   { RESULT = new AbsoluteLocationPath(); }

   | SLASH RelativeLocationPath:rlp
   { RESULT = new AbsoluteLocationPath(rlp); }

   | AbbreviatedAbsoluteLocationPath:aalp
   { RESULT = aalp; }

AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DSLASH Step:step
   :
     final Step right  = (Step)step;
     final int  axis   = right.getAxis();
     final int  type   = right.getNodeType();
     final Vector predicates = right.getPredicates();

     if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
       // Compress '//child:E' into `descendant::E` - if possible
       if (predicates == null) {
         right.setAxis(Axis.DESCENDANT);
       }
       if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
         RESULT = right;
else {
    // Expand 'rlp//child::E' into 'rlp/descendant::E'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    RESULT = new ParentLocationPath(left, right);
}
}
else {
    // Expand './step' into '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' into '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' into 'rlp/descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
    DTM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
};

AbbreviatedAbsoluteLocationPath ::= DSLASH RelativeLocationPath:rlp
{:
    // Expand '/' into '/descendant-or-self::node()/step'
    // Expand '//' into '/descendant-or-self::node()//' or
    // into /descendant-or-self::*//
int nodeType = DOM.NO_TYPE;
if (rlp instanceof Step &&
    parser.isElementAxis(((Step) rlp).getAxis()))
{
    nodeType = DTM.ELEMENT_NODE;
}
final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
RESULT = new AbsoluteLocationPath(parser.insertStep(step,
    (RelativeLocationPath) rlp));
);

Step ::= NodeTest:ntest
{:
    if (ntest instanceof Step) {
        RESULT = (Step)ntest;
    } else {
        RESULT = new Step(Axis.CHILD,
            parser.findNodeType(Axis.CHILD, ntest),
            null);
    }
};

| NodeTest:ntest Predicates:pp
{:
    if (ntest instanceof Step) {
        Step step = (Step)ntest;
        step.addPredicates(pp);
        RESULT = (Step)ntest;
    } else {
        RESULT = new Step(Axis.CHILD,
            parser.findNodeType(Axis.CHILD, ntest), pp);
    }
};

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

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

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

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

AxisName ::= ANCESTOR
| : RESULT = new Integer(Axis.ANCESTOR); :|

| ANCESTORORSELF
| : RESULT = new Integer(Axis.ANCESTORORSELF); :|

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

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

| DESCENDANT
| : RESULT = new Integer(Axis.DESCENDANT); :|

| DESCENDANTORSELF
| : RESULT = new Integer(Axis.DESCENDANTORSELF); :|

| FOLLOWING
| : RESULT = new Integer(Axis.FOLLOWING); :|

| FOLLOWINGSIBLING
| : RESULT = new Integer(Axis.FOLLOWINGSIBLING); :|

| NAMESPACE
| : RESULT = new Integer(Axis.NAMESPACE); :|

| PARENT
| : RESULT = new Integer(Axis.PARENT); :|

| PRECEDING
| : RESULT = new Integer(Axis.PRECEDING); :|

| PRECEDINGSIBLING
| : RESULT = new Integer(Axis.PRECEDINGSIBLING); :|

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

| DDOT
                  { : RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); : }

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

| PrimaryExpr:primary Predicates:pp
                  { : RESULT = new FilterExpr(primary, pp); : }

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

| 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 RealExpr(num.intValue());
       else if (num.longValue() == 0)
         RESULT = new RealExpr((long)num.intValue());
       else if (num.floatValue() == 0)
         RESULT = new RealExpr(num.floatValue());
       else if (num.doubleValue() == 0)
         RESULT = new RealExpr(num.doubleValue());
       else if (num.intValue() == 0)
         RESULT = new RealExpr(num.intValue());
       else
         RESULT = new RealExpr(num.longValue());
     }
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);
    }
}

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( Constants.TRANSLET_URI, "xsltc", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
} else {
    RESULT = new FunctionCall(fname, argl);
}
);

NonemptyArgumentList ::= Argument:arg
 |
 Vector temp = new Vector();
 temp.addElement(arg);
 RESULT = temp;
 |
 Argument:arg COMMA NonemptyArgumentList:argl
 |
 : argl.insertElementAt(arg, 0); RESULT = argl; :;

FunctionName ::= QName:fname
 |
 RESULT = fname;
 |

VariableName ::= QName:vname
 |
 RESULT = vname;
 |

Argument ::= Expr:ex
 |
 : RESULT = ex; :;
NodeTest ::= NameTest:nt
{: RESULT = nt; :}

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

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

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

| PIPARAM LPAREN Literal:l RPAREN
{: 
QName name = parser.getQNameIgnoreDefaultNs("name");
Expression exp = new EqualityExpr(Operators.EQ,
new NameCall(name),
new LiteralExpr(l));
Vector predicates = new Vector();
predicates.addElement(new Predicate(exp));
RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
:}

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

NameTest ::= STAR
{: RESULT = null; :}

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

QName ::= QNAME:qname
{: RESULT = parser.getQNameIgnoreDefaultNs(qname); :}

| DIV
{: RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

| MOD
{: RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

| KEY
{: RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

| ANCESTOR
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}
ANCESTORORSELFP
{: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); :}

ATTRIBUTE
{: RESULT = parser.getQNameIgnoreDefaultNs("attribute"); :}

CHILD
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

DESCENDANT
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant"); :}

DESCENDANTORSELF
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant-or-self"); :}

FOLLOWING
{: RESULT = parser.getQNameIgnoreDefaultNs("following"); :}

FOLLOWINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); :}

NAMESPACE
{: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); :}

PARENT
{: RESULT = parser.getQNameIgnoreDefaultNs("parent"); :}

PRECEDING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); :}

PRECEDINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); :}

SELF
{: RESULT = parser.getQNameIgnoreDefaultNs("self"); :}

ID
{: RESULT = parser.getQNameIgnoreDefaultNs("id"); :}

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

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

/*
* $Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas $
*/

/*
* @author Jacek Ambroziak
* @author Santiago Pericas-Geertsen
* @author Morten Jorgensen
* *
*/

package org.apache.xalan.xsltc.compiler;

import java_cup.runtime.Symbol;
%
%
int last;

void initialize() {
    last = -1;
}

static boolean isWhitespace(int c) {
    return (c == ' ' || c == '	' || c == '' || c == '
' || c == '');
}

/**
 * If symbol is not followed by '::' or ')', then treat it as a
 * name instead of an axis or function (Jira-1912).
 */
Symbol disambiguateAxisOrFunction(int ss) throws Exception {
    // Peek in the input buffer without changing the internal state
    int index = yy_buffer_index;

    // Skip whitespace
    while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
        index++;
    }

    // If end of buffer, can't disambiguate :
    if (index >= yy_buffer_read) {
        // Can't disambiguate, so return as symbol
        return new Symbol(ss);
    }

    // Return symbol if next token is '::' or ')
    return (yy_buffer[index] == ':' && yy_buffer[index+1] == '}' ||
            yy_buffer[index] == '(' ?
                newSymbol(ss) : newSymbol(sym.QNAME, yytext());
}

/**
 * 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:
    case sym.DIV:
    case sym.MULT:
    case sym.SLASH:
    case sym.DSLASH:
    case sym.VBAR:
    case sym.PLUS:
    case sym.MINUS:
    case sym.EQ:
    case sym.NE:
    case sym.LT:
    case sym.LE:
    case sym.GT:
    case sym.GE:
        return newSymbol(sym.QNAME, yytext());
    }
    return newSymbol(ss);
}

/**
 * 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:
```java
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LT:
case sym.LE:
case sym.GT:
case sym.GE:
    return newSymbol(sym.STAR);
}
return newSymbol(sym.MULT);
}

Symbol newSymbol(int ss) {
    last = ss;
    return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;
    return new Symbol(ss, value);
}
%

%eofval{
    return newSymbol(sym.EOF);
}%eofval%

%yylexthrow{
    Exception
}%yylexthrow%

Letter={BaseChar}||[Ideographic]
BaseChar=\u0041\u005A\u0061\u007A\u00C0\u00D6\u00D8\u00F0\u0100\u0131\u0134-
\u013E\u0141\u0148\u014A\u017E\u0180\u01C3\u01CD\u01F0\u01F4\u01F5\u01FA\u0217\u0250-
\u02A8\u02BB\u02C1\u0386\u0388\u038A\u038C\u038E\u03A1\u03A3\u03CE\u03D0-
\u03D6\u03DA\u03DC\u03E0\u03E2\u03F3\u0401\u040C\u040E\u044F\u0451\u045C\u045E-
```

"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); }
"["   { return newSymbol(sym.LBRACK); }
"]"   { return newSymbol(sym.RBRACK); }
"("   { return newSymbol(sym.LPAREN); }
")"   { return newSymbol(sym.RPAREN); }
"<PATTERN>"   { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>"   { initialize(); return new Symbol(sym.EXPRESSION); }
\[\^\"\]\^[\"
   yytext().substring(1, yytext().length() - 1));
\]\[
   yytext().substring(1, yytext().length() - 1));
{Digit}+   { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+("\s{Digit}*)?   { return newSymbol(sym.REAL, new Double(yytext())); }
\."   { return newSymbol(sym.REAL, new Double(yytext())); }
\."   { return newSymbol(symDOT); }
(\{NCName\}":")?\{NCName\}   { return newSymbol(sym.QNAME, yytext()); }
(\{NCName\}":")?\*   { return newSymbol(sym.QNAME, yytext()); }
(\{NCName\}":")?\*\*   { return newSymbol(sym.QNAME, yytext()); }
\[/\s\n\]   { throw new Exception(yytext()); }

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

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 */
package org.apache.xalan.processor;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <p>See also: org/apache/xalan/res/XSLTInfo.properties</p>
 * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
 * @xsl.usage general
 */

public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 * @param argv command line arguments, unused.
 */

public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */

public static final String PRODUCT = "Xalan";

/**
 * Implementation Language.
 */

public static final String LANGUAGE = "Java";

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

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

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

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static final int DEVELOPMENT = 0;

/**
 * Version String like <CODE>"<B>Xalan</B> <B>Language</B> v.r[d].d</CODE>
 * v.r[d]d <B>D</B>nn</CODE>.
 * Semantics of the version string are identical to the Xerces project.</P>
 */
public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" "+VERSION+" "+RELEASE+" "+(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT) : ("M"+MAINTENANCE));

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* /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
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* /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
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 */

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

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/KeyIndex.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/.compiler/util/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TrAXFilter.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncConcat.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_zh_CN.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessages_ko.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/Function.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/XSLTCSource.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/AttributeIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/StringToIntTable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/LoadDocument.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/NumeratorFormatter.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages_hu.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ErrorMessages_zh.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/Equals.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Pattern.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ProcessorExsltFuncResult.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/DOMEnhancedForDTM.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/cmdline/getopt/MissingOptArgException.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToHTMLSAXHandler.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/BooleanExpr.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/FilteredStepIterator.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/WithParam.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/dtm/ref/DTMAxisIteratorBase.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/output/OutputBuffer.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/XPathResultImpl.java

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/Include.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/templates/ElemWithParam.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/Expression.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/RTFIterator.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemExtensionCall.java
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1.28 lz4-java 1.7.1

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1.29 projectcalico-go-yaml-wrapper v0.0.0-20191112210931-090425220c54

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1.30 dumb-init 1.2.2-1.1

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Upstream-Name: dumb-init
Source: https://github.com/Yelp/dumb-init/

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1.31 jetty-io 9.4.11.v20180605

1.32 azure-storage-blob-go v0.10.0
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1.34 x-text v0.3.2

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1.35 nghttp 1.18.1 1

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.36 libxau 1.0.9-r0
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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
update_config_sub
default_prepare
}

build() {
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ace9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No test suite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-$pkgver.tar.gz"
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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdescl="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
_types="html json rdfa rdftnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname/-}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir"/usr/share/spdx
  cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir"/usr/share/spdx
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*} 
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
  done
}

sha512sums="0950540df050fb717ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab461a5f1018f4869d9f3e0428a5a6432c01c60 license-list-data-3.8.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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1.38 logstash-output-webhdfs 3.0.6

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jar/io/netty/handler/codec/Headers.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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jar/io/netty/handler/codec/string/package-info.java
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jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
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jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
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jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/MessageToMessageDecoder.java
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  jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
  jar/io/netty/handler/codec/protobuf/protobufEncoder.java
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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.
 */

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

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DateFormatter.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](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.

  ```
  lengthFieldOffset = 0
  lengthFieldLength = 2
  lengthAdjustment = 0
  initialBytesToStrip = 0 (= do not strip header)
  ```

  Before decode (14 bytes)         After decode (14 bytes)
  +--------+----------------+      +--------+----------------+
  | Length | Actual Content |----->| Length | Actual Content |
  | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
  +--------+----------------+      +--------+----------------+

- **2 bytes length field at offset 0, strip header**

  Because we can get the length of the content by calling readableBytes(), you might want to strip the length field by specifying initialBytesToStrip. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

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

  Before decode (14 bytes)         After decode (12 bytes)
  +--------+----------------+      +--------+----------------+
  | Length | Actual Content |----->| Length | Actual Content |
  | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
  +--------+----------------+      +--------+----------------+

- **2 bytes length field at offset 0, strip header**

  Because we can get the length of the content by calling 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.
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by lengthAdjustment, we specify -2 for compensation.

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

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```plaintext
lengthFieldOffset = 0
lengthFieldLength = 3
lengthAdjustment = 0
initialBytesToStrip = 0
```

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```plaintext
lengthFieldOffset = 0
lengthFieldLength = 3
lengthAdjustment = 0
initialBytesToStrip = 0
```
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `lengthAdjustment` so that the decoder counts the extra header into the frame length calculation.

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

```
BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Length   | Header 1 | Actual Content |
| 0x00000C | 0xCAFE   | "HELLO, WORLD" |
+----------+----------+----------------+
```

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `lengthFieldOffset` and the extra header affects the `lengthAdjustment`. We also specified a non-zero `initialBytesToStrip` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `0` for `initialBytesToSkip`.

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

```
BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
+----------------+----------------+
| Length | HDR1 | Length | HDR2 | Actual Content |
| 0x00000C | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |
+----------------+----------------+
```

Let's give another twist to the previous example. The only difference from the previous example is that the length field represents the length of the whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into \texttt{lengthAdjustment}\texttt{.}

Please note that we don't need to take the length of HDR2 into account

because the length field already includes the whole header length.

\begin{verbatim}
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +----+--------+----+----------------+  +----+----------------+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +----+--------+----+----------------+  +----+----------------+
* \end{verbatim}

\@see LengthFieldPrepender
\*/

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jar/org/elasticsearch/ingest/common/AbstractStringProcessor.java
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jar/org/elasticsearch/ingest/common/DateProcessor.java
* /opt/cola/permits/1124222443_1611010446.38/0/ingest-common-6-8-12-sources-1-
jar/org/elasticsearch/ingest/common/GsubProcessor.java
* /opt/cola/permits/1124222443_1611010446.38/0/ingest-common-6-8-12-sources-1-
jar/org/elasticsearch/ingest/common/AppendProcessor.java
* /opt/cola/permits/1124222443_1611010446.38/0/ingest-common-6-8-12-sources-1-
jar/org/elasticsearch/ingest/common/Processors.java
* /opt/cola/permits/1124222443_1611010446.38/0/ingest-common-6-8-12-sources-1-
jar/org/elasticsearch/ingest/common/DotExpanderProcessor.java
* /opt/cola/permits/1124222443_1611010446.38/0/ingest-common-6-8-12-sources-1-
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1.50 tiny-relative-date 1.3.0

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1.59 apr-util 1.6.1-4

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1.60 jackson-databind 2.9.9.3

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1.61 aopalliance-repackaged 2.6.1

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Nigel Tao <nigeltao@golang.org>
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/HeaderUtils.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources.jar/io/netty/handler/codec/serialization/ObjectDecoder.java

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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DateFormatter.java

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/**
 * A decoder that splits the received ByteBufs dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.
 *
 * LengthFieldBasedFrameDecoder has many configuration parameters so that it can decode any message with a length field, which is often seen in proprietary client-server protocols. Here are some example that will give you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>

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

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

| +----------------+ | +----------------+
| Length | Actual Content | Length | Actual Content |
| 0x000C | "HELLO, WORLD" | 0x000C | "HELLO, WORLD" |

* Because we can get the length of the content by calling ByteBuf#readableBytes(), you might want to strip the length field by specifying initialBytesToStrip. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.
* `<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>`
* `* 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>`
* `* 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`
* `*</pre>`
This is an advanced example that shows the case where there is an extra
header between the length field and the message body. You have to specify a
positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra
header into the frame length calculation.

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

This is a combination of all the examples above. There are the prepended
header before the length field and the extra header after the length field.
The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra
header affects the `<tt>lengthAdjustment</tt>` . We also specified a non-zero
`<tt>initialBytesToStrip</tt>` to strip the length field and the prepended
header from the frame. If you don’t want to strip the prepended header, you
could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```
lengthFieldOffset   = 1 (= the length of HDR1)
lengthFieldLength   = 2
<b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
<b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
```
* 2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message

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

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* Enumeration of supported Base64 dialects.

**
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 * Utility class for {@link ByteBuf} that encodes and decodes to and from
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 * 
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 */

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1.83 ci-info 1.6.0

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1.89 glibc 2.28-10

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1.100 pcre 8.44

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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1.133 html5lib 1.0.1

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

1.139 pyudev 0.15

1.139.1 Available under license :

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

--------------------------------------------------------------------------------
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1.141 snappy-java 1.1.1.7

1.142 object-keys 1.0.12
1.142.1 Available under license :

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1.143 nytimes-gziphandler v1.0.1

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
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Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
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Meskes, Michael
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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
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
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Hamming, Peter
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1.151 logstash-filter-anonymize 3.0.6

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* Jordan Sissel (jordansissel)
* Pier-Hugues Pellerin (ph)
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1.152 logstash-filter-fingerprint 3.2.1

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1.153 logstash-filter-mutate 3.4.0

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1.154 spring-boot-test-autoconfigure 2.1.4

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1.169 mime-support 3.62

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1.170 google-gofuzz v1.1.0

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1.173 http-form-data 1.0.1

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1.174 grpc-websocket-proxy v0.0.0-20200427203606-3cfed13b9966

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1.175 libunistring 0.9.10 1

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

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

</PRE>

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

<h2 class="title"><a name="LGPL">GNU LIBRARY GENERAL PUBLIC LICENSE</a></h2>

<P>Version 2, June 1991

<pre>
Copyright (C) 1991 Free Software Foundation, Inc.
59 Temple Place - Suite 330, Boston, MA 02111-1307, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
</PRE>

<H3>Preamble</H3>

<P>The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

<P>This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

<P>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.

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

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

<P>Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

<P>Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

<P>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.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0.
This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

<P>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.

<P>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".)

<P>"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.

<P>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.

<P><STRONG>1.</STRONG> 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.

<P>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.

<P><STRONG>2.</STRONG> 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:

<OL TYPE="a">

<L1>The modified work must itself be a software library.

<P>
<L1>You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

<P>
<L1>You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

<P>
<L1>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.

<P>(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.)

</OL>

<P>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.

<P>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.
<p>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.</p>

<p><strong>3.</strong> 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.</p>

<p>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.</p>

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

<p><strong>4.</strong> 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.</p>

<p>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.</p>

<p><strong>5.</strong> 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.</p>

<p>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.</p>
Section 6 states terms for distribution of such executables.

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

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

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

As an exception to the Sections above, you may also 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:

1. 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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<P><OL>
  <LI>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.
</OL>

<P><STRONG>8.</STRONG> 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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<P><STRONG>10.</STRONG> Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients’ exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

<P><STRONG>11.</STRONG> If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then
the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlere@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda <kenton@google.com>
1.194 systemd 232-25+deb9u6

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1.198 leveldb 11

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1.208 power-assert 1.1.3

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1.211 zlib 1.2.8

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1.213 structs 1.2

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/* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
* which contained the following notice:
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 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/TransformationListIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/EmptyImmutableSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/ListenerScheduledFuture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/EmptyImmutableSortedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ForwardedMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/html/package-info.java
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  jar/com/google/common/base/internal/Finalizer.java

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* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5- jar/com/google/common/util/concurrent/AbstractIdleService.java
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jar/com/google/common/reflect/TypeResolver.java
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jar/com/google/common/html/HtmlEscapers.java
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jar/com/google/common/net/HostSpecifier.java
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jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/primitives/SignedBytes.java
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jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/base/Platform.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/JdkFutureAdapters.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1150909106_1617718339.43/guava-16-0-1-sources-5-
jar/com/google/common/escape/Escapers.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5.jar/com/google/common/util/concurrent/Callables.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractMapEntry.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Objects.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/SubscriberFindingStrategy.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/Resources.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ComparatorOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/primitives/Primitives.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/io/InputSupplier.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/eventbus/AnnotatedSubscriberFinder.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/Constraint.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Functions.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/ClassToInstanceMap.java

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/GwtTransient.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/GwtTransient.java
*/
jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/HttpHeaders.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/ForwardingCheckedFuture.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/NotificationListener.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/net/CacheStatCollector.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheStats.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheLoader.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CachedService.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/cache/AbstractCache.java

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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
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jar/com/google/common/collection/RegularImmutableBiMap.java
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jar/com/google/common/collection/FluentIterable.java
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* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-jar/com/google/common/hash/BloomFilterStrategies.java
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  jar/com/google/common/collection/MapMakerInternalMap.java
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  jar/com/google/common/collection/DenseImmutableTable.java
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  jar/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1150909106_1617718339.43/0/guava-16-0-1-sources-5-
  jar/com/google/common/collection/Cut.java
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  jar/com/google/common/collection/SparseImmutableTable.java

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```

1.224 azure-sdk-for-go v35.0.0+incompatible

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1.225 go-kml v1.5.1
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1.226 libxi 1.7.10-r0
1.226.1 Available under license :

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
    --build=$CBUILD \n    --host=$CHOST \n    --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02cc2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgnam=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
  python3 setup.py build
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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
/pkgname=perl-bsd-resource

_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
}

check() {
  make test
}

package() {
make DESTDIR="Spkdgdir" install
find "Spkdgdir" \( -name perl-local.pod -o -name .packlist \) -delete

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a30f828df16
 dfa5417f663b8065ba65f4efa16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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mini_sendmail - accept email on behalf of real sendmail

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"
for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
cd "$builddir"
}
package() {
    mkdir -p "$pkgdir"
}
_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir/"usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir/"usr/share/spdx/
}
list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir/"usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir/"usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb717ce92f5ad1bf756725e233d7010c5b2fc5bfa85daee65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"
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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Arne Hormann <arnehormann@gmail.com>
Arnout Engelen <arnout@bztt.net>
Aron Nopanen <aron.nopanen@gmail.com>
Arthur Fabre <arthur@arthurfabre.com>
Arthur Khashaev <arthur@khashaev.ru>
Artyom Pervukhin <artyom.pervukhin@gmail.com>
Arvind Rajesh Tamilmani <art@a-30.net>
Ashish Gandhi <ag@ashishgandhi.org>
Asim Shankar <asimshankar@gmail.com>
Atin Malaviya <amalaviya@akamai.com>
Ato Araki <ato.araki@gmail.com>
Audrey Lim <audreylh@gmail.com>
Audrius Butkevicius <audrius.butkevicius@gmail.com>
Augusto Roman <aroman@gmail.com>
Aulus Egnatius Varialus <varialus@gmail.com>
Aurlien Rainone <aurleien.rainone@gmail.com>
Austin Clements <austin.clements@csail.mit.edu>
Avi Flax <avi@timehop.com>
awaw fumin <awawfumin@gmail.com>
Awn Umar <awn@cryptolosphy.io>
Axel Wagner <axel.wagner.hh@googlemail.com>
Ayanamist Yang <ayananamist@gmail.com>
Aymerick Jhanne <aymerick@jehanne.org>
Azat Kaumov <kaumov.a.r@gmail.com>
Baiju Muthukadan <baiju.m.mail@gmail.com>
Balaram Makam <bmakam.qdt@qualcommdatcenter.com>
Balazs Lecz <leczb@gmail.com>
Baokun Lee <nototon@gmail.com>
Bartosz Grzybowski <melkorm@gmail.com>
Bartosz Oler <brtsz@gmail.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <benhoyt@gmail.com>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
Ben Schwartz <bemasc@gmail.com>
Ben Shi <powerman1st@163.com>
Benjamin Black <b@b3k.us>
Benjamin Cable <cable.benjamin@gmail.com>
Benjamin Hsieh <stanookiben@users.noreply.github.com>
Benjamin Prosnitz <bprosnitz@gmail.com>
Benjamin Wester <bweste@squareup.com>
Benny Siegert <hsiegert@gmail.com>
Chris Hines <chris.cs.guy@gmail.com>
Chris Howey <howeyc@gmail.com>
Chris Hundt <hundt@google.com>
Chris Jones <chris@cjones.org> <chris.jones.yar@gmail.com>
Chris Kastorff <encryptio@gmail.com>
Chris Lennert <calennert@gmail.com>
Chris Liles <caveryliles@gmail.com>
Chris Manghane <cmang@golang.org>
Chris McGee <sirnewton_01@yahoo.ca> <newton688@gmail.com>
Chris Raynor <raynor@google.com>
Chris Roche <rodaine@gmail.com>
Chris Smith <chrsmith@users.noreply.github.com>
Chris Stockton <chrisstocktonaz@gmail.com>
Chris Zou <chriszou@ca.ibm.com>
Christian Alexander <christian@linux.com>
Christian Couder <chriscool@tuxfamily.org>
Christian Himpel <chressie@googlemail.com> <chressie@gmail.com>
Christian Pellegrin <chri@evolware.org>
Christian R. Petrin <christianpetrin@gmail.com>
Christine Hansmann <chhansmann@gmail.com>
Christoffer Buchholz <christoffer.buchholz@gmail.com>
Christoph Blecker <admin@toph.ca>
Christoph Hack <christoph@tux21b.org>
Christopher Cahoon <chris.cahoon@gmail.com>
Christopher Guiney <chris@guiney.net>
Christopher Henderson <chris@chenderson.org>
Christopher Koch <chrisko@google.com>
Christopher Nelson <nadiasvertex@gmail.com>
Christopher Nielsen <m4dh4tt3r@gmail.com>
Christopher Redden <christopher.redden@gmail.com>
Christopher Swenson <cswenson@google.com>
Christopher Wedgwood <cw@f00f.org>
Christos Zoulas <christolos@zoulas.com> <zoulasc@gmail.com>
Christy Perez <christy@linux.vnet.ibm.com>
CL Sung <clsung@gmail.com> <cl_sung@htc.com>
Clement Chigot <clement.chigot@atos.net>
Clement Skau <clementskaucandidate@gmail.com>
Cody Oss <the.cody.oss@gmail.com>
Colby Ranger <cranger@google.com>
Colin Cross <ccross@android.com>
Colin Edwards <colin@recursivepenguin.com>
Colin Kennedy <moshen.colin@gmail.com>
Colin Nelson <coln@nelson@google.com>
Colin Rice <clr@google.com>
Conrad Irwin <conrad.irwin@gmail.com>
Conrad Meyer <cemeyer@cs.washington.edu>
Conrado Gouvea <conrado@plg@gmail.com>
Constantin Konstantinidis <constantinkonstantinidis@gmail.com>
Dave Cheney <dave@cheney.net>
Dave Day <djd@golang.org>
Dave Grijalva <dgrijalva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Russell <forfuncsake@gmail.com>
David Anderson <danderson@gmail.com>
David Barnett <dbarnett@gmail.com>
David Benjamin <davidben@gmail.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Chase <drchase@gmail.com>
David Covert <davidcovert@gmail.com>
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@gmail.com> <crawshaw@golang.org>
David du Colombier <0intro@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
David Hubbard <dsp@google.com>
David Jakob Fritz <david.jakob.fritz@gmail.com>
David Jones <dxjones@gmail.com>
David Lazar <lazard@golang.org>
David Leon Gil <coruus@gmail.com>
David McLeish <davemc@gmail.com>
David Ndungu <dnjuguna@gmail.com>
David NewHamlet <david@newhamlet.com>
David Presotto <presotto@gmail.com>
David R. Jenni <david.r.jenni@gmail.com>
David Sansome <me@davidsansome.com>
David Stainton <dstainton415@gmail.com>
David Symonds <dsymonds@golang.org>
David Thomas <davidthomas426@gmail.com>
David Timm <dtimm@pivotai.io>
David Titarenco <david.titarenco@gmail.com>
David Tolpin <david.tolpin@gmail.com>
David Url <david@urld.io>
David Volquartz Lebech <david@lebech.info>
David Wimmer <davidlwimmer@gmail.com>
Davies Liu <davies.liu@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Dean Prichard <dean.prichard@gmail.com>
Deepak Jois <deepak.jois@gmail.com>
Denis Bernard <db047h@gmail.com>
Denis Brandolini <denis.brandolini@gmail.com>
Denis Nagorny <denis.nagorny@intel.com>
Francesc Campoy <campoy@golang.org>
Francisco Claude <fclaude@recoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscosouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <frew@gmail.com>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfrijhfof@gmail.com>
Frits van Bommel <fvbommel@gmail.com>
Fumitoshi Ukai <ukai@google.com>
G. Hussain Chinoy <ghchinoy@gmail.com>
Gaia Yahas <gaa@gmail.com>
Gabriel Arthur Pjursson <gabriel@system.is>
Gabriel Aszalos <gabriel.aszalos@gmail.com>
Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com>
Gabriel Russell <gabriel.russell@gmail.com>
Gareth Paul Jones <gpj@foursquare.com>
Garret Kelly <gdk@gmail.com>
Garrick Evans <garrick@gmail.com>
Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>
Gary Elliot <garyelliott@gmail.com>
Gaurish Sharma <contact@gaurishsharma.com>
Gautham Thambidorai <gautham.dorai@gmail.com>
Gauthier Jolly <gauthier.jolly@gmail.com>
Geert-Jan Roemer <gjr19912@gmail.com>
Genevieve Luyt <genevieve.luyt@gmail.com>
Gengiang Wang <ltngwl@gmail.com>
Geoff Berry <gberry.qdt@qualcommdatacenter.com>
Geoffroy Lorieux <lorieux.g@gmail.com>
Geon Kim <geon0250@gmail.com>
Georg Reinke <gueley@gmail.com>
George Gkirtsou <ggkirtsou@gmail.com>
George Shammas <george@shamm.as> <georgyo@gmail.com>
Gerasimos (Makis) Maropoulos <kataras2006@hotmail.com>
Gerasimos Dimitriadis <gedimitr@gmail.com>
Gergely Brautigam <skarlso777@gmail.com>
Getulio Snechez <valentin2507@gmail.com>
Gianguido Sora` <g.sora4@gmail.com>
Gideon Jan-Wessel Redelinguys <gjredelinghuys@gmail.com>
Giles Lean <giles.lean@pobox.com>
Giovanni Bajo <rasky@develer.com>
GitHub User @ajnirp (1688456) <ajnirp@users.noreply.github.com>
GitHub User @andrius4669 (4699695) <andrius4669@gmail.com>
GitHub User @as (8127015) <as.utf8@gmail.com>
GitHub User @bgadrian (8300001) <aditza8@gmail.com>
GitHub User @bontequiero (2674999) <bontequiero@gmail.com>
GitHub User @cch123 (384546) <buuaa.cch@gmail.com>
GitHub User @chanxuehong (3416908) <chanxuehong@gmail.com>
GitHub User @dupoxy (1143957) <dupoxy@users.noreply.github.com>
GitHub User @erifan (31343225) <eric.fang@arm.com>
GitHub User @esell (9735165) <eujon.sellers@gmail.com>
GitHub User @itchyny (375258) <itchyny@hatena.ne.jp>
GitHub User @kc1212 (1093806) <kc1212@users.noreply.github.com>
GitHub User @kos (13366453) <kamilkropiewnicki@gmail.com>
GitHub User @LotusFenn (13775899) <fenn.lotus@gmail.com>
GitHub User @madiganz (18340029) <zachary.w.madigan@gmail.com>
GitHub User @mkishere (224617) <224617+mkishere@users.noreply.github.com>
GitHub User @OlgaVlPetrova (44112727) <OlgaVlPetrova@gmail.com>
GitHub User @pityonline (438222) <pityonline@gmail.com>
GitHub User @pytimer (17105586) <lixin20101023@gmail.com>
GitHub User @saitarunreddy (21041941) <saitarunreddypalla@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @uropek (39370426) <uropek@gmail.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvalente@arista.com>
Gleb Stepanov <glebstepanov1992@gmail.com>
Glenn Brown <glennb@gmail.com>
Glenn Lewis <gmlewis@gmail.com>
Gordon Klaus <gordon.klaus@gmail.com>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Grant Griffiths <gpp493@gmail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Steuck <gnezdo+github@gmail.com>
Greg Ward <greg@gerg.ca>
Grgoire Delattre <gregoire.delattre@gmail.com>
Gregory Man <man.gregory@gmail.com>
Guilherme Caruso <gui.martinscaruso@gmail.com>
Guilherme Garnier <guilherme.garnier@gmail.com>
Guilherme Goncalves <guilhermeaugustosg@gmail.com>
Guilherme Rezende <guilhermebr@gmail.com>
Guillaume J. Charmes <guillaume.charmes.net>
Guobiao Mei <meiguobiao@gmail.com>
Guoliang Wang <siamwgliang@gmail.com>
Gustav Paul <gustav.paul@gmail.com>
Gustav Westling <gustav@westling.xyz>
Gustavo Franco <gustavorfranco@gmail.com>
<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jason Hall</td>
<td><a href="mailto:jasonhall@google.com">jasonhall@google.com</a></td>
</tr>
<tr>
<td>Jason Keene</td>
<td><a href="mailto:jasonkeene@gmail.com">jasonkeene@gmail.com</a></td>
</tr>
<tr>
<td>Jason LeBrun</td>
<td><a href="mailto:jblebrun@gmail.com">jblebrun@gmail.com</a></td>
</tr>
<tr>
<td>Jason Smale</td>
<td><a href="mailto:jsmale@zendesk.com">jsmale@zendesk.com</a></td>
</tr>
<tr>
<td>Jason Travis</td>
<td><a href="mailto:infomaniac7@gmail.com">infomaniac7@gmail.com</a></td>
</tr>
<tr>
<td>Jason Wangsadinata</td>
<td><a href="mailto:jwangsadinata@gmail.com">jwangsadinata@gmail.com</a></td>
</tr>
<tr>
<td>Javier Kohen</td>
<td><a href="mailto:jkohen@google.com">jkohen@google.com</a></td>
</tr>
<tr>
<td>Javier Segura</td>
<td><a href="mailto:javism@gmail.com">javism@gmail.com</a></td>
</tr>
<tr>
<td>Jay Conrod</td>
<td><a href="mailto:jayconrod@google.com">jayconrod@google.com</a></td>
</tr>
<tr>
<td>Jay Taylor</td>
<td><a href="mailto:outtetime@gmail.com">outtetime@gmail.com</a></td>
</tr>
<tr>
<td>Jay Weisskopf</td>
<td><a href="mailto:jay@jayschwa.net">jay@jayschwa.net</a></td>
</tr>
<tr>
<td>Jean de Klerk</td>
<td><a href="mailto:deklerk@gmail.com">deklerk@gmail.com</a></td>
</tr>
<tr>
<td>Jean-Andr Santoni</td>
<td><a href="mailto:jean.andre.santoni@gmail.com">jean.andre.santoni@gmail.com</a></td>
</tr>
<tr>
<td>Jean-Francois Cantin</td>
<td><a href="mailto:jfcantin@gmail.com">jfcantin@gmail.com</a></td>
</tr>
<tr>
<td>Jean-Marc Eurin</td>
<td><a href="mailto:jmeurin@google.com">jmeurin@google.com</a></td>
</tr>
<tr>
<td>Jean-Nicolas Moal</td>
<td><a href="mailto:jn.moal@gmail.com">jn.moal@gmail.com</a></td>
</tr>
<tr>
<td>Jed Denlea</td>
<td><a href="mailto:jed@fastly.com">jed@fastly.com</a></td>
</tr>
<tr>
<td>Jeet Parekh</td>
<td><a href="mailto:jeetparekh96@gmail.com">jeetparekh96@gmail.com</a></td>
</tr>
<tr>
<td>Jeevanandam M</td>
<td><a href="mailto:jeeva@myjeeva.com">jeeva@myjeeva.com</a></td>
</tr>
<tr>
<td>Jeff (Zhefu) Jiang</td>
<td><a href="mailto:jeffjiang@gmail.com">jeffjiang@gmail.com</a></td>
</tr>
<tr>
<td>Jeff Craig</td>
<td><a href="mailto:jeffcraig@gmail.com">jeffcraig@gmail.com</a></td>
</tr>
<tr>
<td>Jeff Dupont</td>
<td><a href="mailto:jeff.dupont@gmail.com">jeff.dupont@gmail.com</a></td>
</tr>
<tr>
<td>Jeff Hodges</td>
<td><a href="mailto:jeff@somethingsimilar.com">jeff@somethingsimilar.com</a></td>
</tr>
<tr>
<td>Jeff Johnson</td>
<td><a href="mailto:jrjohnson@gmail.com">jrjohnson@gmail.com</a></td>
</tr>
<tr>
<td>Jeff R. Allen</td>
<td><a href="mailto:jra@nella.org">jra@nella.org</a></td>
</tr>
<tr>
<td>Jeff Sickel</td>
<td><a href="mailto:jas@corpus-callosum.com">jas@corpus-callosum.com</a></td>
</tr>
<tr>
<td>Jeff Wendling</td>
<td><a href="mailto:jeff@spacemonkey.com">jeff@spacemonkey.com</a></td>
</tr>
<tr>
<td>Jeffrey H</td>
<td><a href="mailto:jeffreyh192@gmail.com">jeffreyh192@gmail.com</a></td>
</tr>
<tr>
<td>Jelte Fennema</td>
<td><a href="mailto:github-tech@jeltef.nl">github-tech@jeltef.nl</a></td>
</tr>
<tr>
<td>Jens Frederich</td>
<td><a href="mailto:jfrederich@gmail.com">jfrederich@gmail.com</a></td>
</tr>
<tr>
<td>Jeremiah Harmsen</td>
<td><a href="mailto:JeremiahH@gmail.com">JeremiahH@gmail.com</a></td>
</tr>
<tr>
<td>Jeremy Banks</td>
<td><a href="mailto:__@jeremy.ca">__@jeremy.ca</a></td>
</tr>
<tr>
<td>Jeremy Canady</td>
<td><a href="mailto:jcanady@gmail.com">jcanady@gmail.com</a></td>
</tr>
<tr>
<td>Jeremy Jackins</td>
<td><a href="mailto:jeremyjackins@gmail.com">jeremyjackins@gmail.com</a></td>
</tr>
<tr>
<td>Jeremy Schlatter</td>
<td><a href="mailto:jeremy.schlatter@gmail.com">jeremy.schlatter@gmail.com</a></td>
</tr>
<tr>
<td>Jeroen Bobbeldijk</td>
<td><a href="mailto:jerbob92@gmail.com">jerbob92@gmail.com</a></td>
</tr>
<tr>
<td>Jerrin Shaji George</td>
<td><a href="mailto:jerrinsg@gmail.com">jerrinsg@gmail.com</a></td>
</tr>
<tr>
<td>Jess Frazelle</td>
<td><a href="mailto:me@jessfraz.com">me@jessfraz.com</a></td>
</tr>
<tr>
<td>Jesse Szwedko</td>
<td><a href="mailto:jesse.szwedko@gmail.com">jesse.szwedko@gmail.com</a></td>
</tr>
<tr>
<td>Jess Espino</td>
<td><a href="mailto:jespinog@gmail.com">jespinog@gmail.com</a></td>
</tr>
<tr>
<td>Jianing Yu</td>
<td><a href="mailto:jnyu@gmail.com">jnyu@gmail.com</a></td>
</tr>
<tr>
<td>Jianqiao Li</td>
<td><a href="mailto:jianqiaoli@gmail.com">jianqiaoli@gmail.com</a></td>
</tr>
<tr>
<td>Jihyun Yu</td>
<td><a href="mailto:syjh0502@gmail.com">syjh0502@gmail.com</a></td>
</tr>
<tr>
<td>Jim Cote</td>
<td><a href="mailto:jfcote87@gmail.com">jfcote87@gmail.com</a></td>
</tr>
<tr>
<td>Jim Kingdon</td>
<td><a href="mailto:jim@bolt.me">jim@bolt.me</a></td>
</tr>
<tr>
<td>Jim McGrath</td>
<td><a href="mailto:jimmc2@gmail.com">jimmc2@gmail.com</a></td>
</tr>
<tr>
<td>Jim Minter</td>
<td><a href="mailto:jminter@redhat.com">jminter@redhat.com</a></td>
</tr>
<tr>
<td>Jimmy Frasche</td>
<td><a href="mailto:soapboxcicero@gmail.com">soapboxcicero@gmail.com</a></td>
</tr>
</tbody>
</table>
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Martin Mohrmann <mohrmann@google.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinolsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <anty.sk+git@gmail.com>
Martin Tournoij <martin@arp242.net>
Martins Sipenko <martins.sipenko@gmail.com>
Martynas Budrinas <mbudrinas@gmail.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Marwan Sulaiman <marwan.sulaiman@work.co>
Maryan Hratson <gmarik@gmail.com>
Masahiro Furudate <masahiro.furudate@gmail.com>
Masahiro Wakame <vwakame@gmail.com>
Masaki Yoshida <yoshida.masaki@gmail.com>
Mat Byczkowski <mbyczkowski@gmail.com>
Mat Ryer <thatmatryer@gmail.com>
Mt. Gulyas <mgulyas86@gmail.com>
Matej Bao <matejbac@gmail.com>
Mateus Amin <mateus.amin@gmail.com>
Mateusz Czapinski <czapkofan@gmail.com>
Mathias Beke <git@denbeke.be>
Mathias Hall-Andersen <mathias@hall-andersen.dk>
Mathias Leppich <mleppich@muhqu.de>
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>
Matt Aimonetti <mattaimonetti@gmail.com>
Matt Blair <ne@matthewblair.net>
Matt Bostock <matt@mattbostock.com>
Matt Brown <mdbrown@google.com>
Matt Dee <mdee@hioscar.com>
Matt Drollette <matt@drollette.com>
Matt Harden <matt.harden@gmail.com>
Matt Jibson <matt.jibson@gmail.com>
Matt Joiner <anacrolix@gmail.com>
Matt Jones <mrtjones@gmail.com>
Matt Juran <thepciet@gmail.com>
Matt Layher <ndlajher@gmail.com>
Matt Reiferson <mreiferson@gmail.com>
Matt Robenolt <matt@ydekproductions.com>
Matt Strong <mstrong1341@gmail.com>
Matt T. Proud <matt.proud@gmail.com>
Matt Williams <gh@mattyw.net> <mattjywilliams@gmail.com>
Matthew Brennan <matty.brennan@gmail.com>
Matthew Broberg <mattewbbroberg@gmail.com>
Matthew Cottingham <mattcottingham@gmail.com>
Matthew Dempsey <mdempsky@gmail.com>
Matthew Denton <mdenton@skyporssystems.com>
Nick Petroni <npetroni@cs.umd.edu>
Nick Robinson <nrobinson13@gmail.com>
Nick Smolin <nick27surgut@gmail.com>
Nicolas BRULEZ <n.brulez@gmail.com>
Nicolas Kaiser <nikai@nikai.net>
Nicolas Owens <mischief@offblast.org>
Nicolas S. Dade <nic.dade@gmail.com>
Niek Sanders <niek.sanders@gmail.com>
Niels Widger <niels.widger@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nnby@columbia.edu>
Nikhil Benesch <nikhil.benesch@gmail.com>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpiko <nikolay@turpiko.com>
Nils Larsgrd <nilsmagnus@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Nishanth Shanmugham <nishanth.gerrard@gmail.com>
Noah Campbell <noahcampbell@gmail.com>
Noble Johnson <noblepoly@gmail.com>
Nodir Turakulov <nodir@google.com>
Noel Georgi <git@frezbo.com>
Norberto Lopes <nlopes.ml@gmail.com>
Odin Ugedal <odin@ugedal.com>
Oleg Bulatov <dimage@yandex-team.ru>
Oleg Vakheta <helginet@gmail.com>
Oleku Konko <oleku.konko@gmail.com>
Oling Cat <olingcat@gmail.com>
Oliver Hookins <oohookins@gmail.com>
Oliver Stenbom <ostenbom@pivotal.io>
Oliver Toninhofer <olt@bogosoft.com>
Olivier Antoine <olivier.antoine@gmail.com>
Olivier Duperray <duperray.olivier@gmail.com>
Olivier Poitrey <rs@dailymotion.com>
Olivier Saingre <osaisingre@gmail.com>
Omar Jarjur <ojarjur@google.com>
Oryan Moshe <iamoryanmoshe@gmail.com>
Osamu TONOMORI <osamingo@gmail.com>
zgr Kesim <oec-go@kesim.org>
Pablo Lalloni <plalloni@gmail.com>
Pablo Rozas Larraondo <pablo.larraondo@anu.edu.au>
Pablo Santiago Blum de Aguiar <scorphus@gmail.com>
Padraig Kitterick <padraignkitterick@gmail.com>
Pallat Anchaleechamaikorn <yod.pallat@gmail.com>
Paolo Giarrusso <p.giarrusso@gmail.com>
Paolo Martini <mrtnpaolo@gmail.com>
Parker Moore <parkermoore@gmail.com>
Peter Froehlich <peter.hans.froehlich@gmail.com>
Peter Gonda <pgonda@google.com>
Peter Hoyes <pahoyes@gmail.com>
Peter Kleiweg <pkleiweg@xs4all.nl>
Peter McKenzie <petermck@gmail.com>
Peter Moody <pmoody@uber.com>
Peter Morjan <pmorjan@gmail.com>
Peter Mundy <go.peter.90@gmail.com>
Peter Nguyen <peter@mictis.com>
Peter Surnyi <speter.go1@gmail.com>
Peter Szab <pts@google.com>
Peter Szilgyi <peterke@gmail.com>
Peter Teichman <psteichman@fastly.com>
Peter Tseng <ptseng@squareup.com>
Peter Waldschmidt <peter@waldschmidt.com>
Peter Waller <peter.waller@gmail.com>
Peter Weinberger <pjw@golang.org>
Peter Williams <pwil3058@gmail.com>
Peter Wu <pwu@cloudflare.com>
Peter Zhang <i@ddatsh.com>
Petrica Voicu <pvoicu@paypal.com>
Phil Pearl <philip.j.r.pearl@gmail.com>
Phil Pennock <pdp@golang.org>
Philip Brgesen <philip.borgesen@gmail.com>
Philip Brown <phil@bolthole.com>
Philip Hofer <phofer@umich.edu>
Philip K. Warren <pkw<warren@gmail.com>
Philip Nelson <me@pnelson.ca>
Philipp Stephani <phst@google.com>
Pierre Durand <pierredurand@gmail.com>
Pierre Prinetti <pierreprinetti@gmail.com>
Pierre Rouillon <pierre.rouillon@gmail.com>
Piers <google@hellowpier.com>
Pieter Droogendijk <pieter@binky.org.uk>
Pietro Gagliardi <pietro10@mac.com>
Piyush Mishra <piyush@codeitout.com>
Plekhanov Maxim <kishtatix@gmail.com>
Pontus Leitzler <leitzler@gmail.com>
Prasanna Swaminathan <prasanna@mediamath.com>
Prashant Varanasi <prashant@prashantv.com>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Qais Patankar <qaisip@gmail.com>
Qiuxuan Zhu <ilsh1022@gmail.com>
Quan Tran <qued.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <contact@asticode.com>
Stephan Renatus <srenatus@chef.io>
Stphane Travostino <stephane.travostino@gmail.com>
Stephen Lewis <stephen@sock.org.uk>
Stephen Lu <steuh@users.noreply.github.com>
Stephen Ma <stephenm@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve LoFurno <slofurno@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streeting <steve@stevestreeting.com>
Steven Buss <sbuss@google.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Erenst <stevenerenst@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Steven Littiebrant <imgroxx@gmail.com>
Steven Wilkin <stevenwilkin@gmail.com>
Stuart Jansen <sjansen@buscaluz.org>
Sue Spence <virtuallysue@gmail.com>
Sugu Sougoumarane <ssougou@gmail.com>
Suharsh Sivakumar <suharshs@gmail.com>
Sukrit Handa <sukrit.handa@utoronto.ca>
Sunny <me@darkowlzz.space>
Suriyaa Sundararuban <suriyaasundararuban@gmail.com>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>
Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syohei YOSHIDA <syohex@gmail.com>
Szabolcs Nagy <nsz@port70.net>
Taavi Kivisik <taavi.kivisik@gmail.com>
Tad Fisher <tadfisher@gmail.com>
Tad Glines <tad.glines@gmail.com>
Tadas Valiukas <tadovas@gmail.com>
Taesu Pyo <pyotaesu@gmail.com>
Taj Khattra <taj.khattra@gmail.com>
Takashi Matsuo <tmatsuo@google.com>
Takayoshi Nishida <takayoshi.nishida@gmail.com>
Takeshi YAMANASHI <9.nashi@gmail.com>
Takuto Ikuta <tikuta@google.com>
Takuya Ueda <uedatakuya@gmail.com>
Tal Shprecher <tshprecher@gmail.com>
Tamir Duberstein <tamird@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>
Tobias Klauser <tklauser@distanz.ch>
Toby Burress <kurin@gmail.com>
Todd Neal <todd@tneal.org>
Todd Wang <toddwang@gmail.com>
Tom Bergan <tombergan@google.com>
Tom Heng <zhmu20070928@gmail.com>
Tom Lanyon <tomlanyon@google.com>
Tom Levy <tomlevy93@gmail.com>
Tom Limoncelli <tal@whatexit.org>
Tom Linford <tomlinford@gmail.com>
Tom Payne <twpayne@gmail.com>
Tom Szymanski <tgs@gmail.com>
Tom Thorogood <me+google@tomthorogood.co.uk>
Tom Wilkie <tom@weave.works>
Tommy Schaefer <tommy.schaefer@teecom.com>
Tomoya Ishizaki <zaqltomo@gmail.com>
Tonis Tiigi <tonistigi@gmail.com>
Tony Reix <tony.reix@bull.net>
Tony Walker <walkert.uk@gmail.com>
Tor Andersson <tor.andersson@gmail.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Toshiki Shima <hayabusa1419@gmail.com>
Totoro W <tw19881113@gmail.com>
Travis Bischel <travis.bischel@gmail.com>
Travis Cline <travis.cline@gmail.com>
Trevor Strohman <trevor.strohman@gmail.com>
Trey Lawrence <lawrence.trey@gmail.com>
Trey Roessig <trey.roessig@gmail.com>
Trey Tacon <ttacon@gmail.com>
Tristan Amini <tamin01@ca.ibm.com>
Tristan Colgate <tcolgate@gmail.com>
Tristan Ooohry <ooohry@gmail.com>
Tristan Rice <rice@fnlc>
Troels Thomsen <troels@thomsen.io>
Trung Nguyen <trung.n.k@gmail.com>
Tudor Golubenco <tudor.g@gmail.com>
Tugdual Saunier <tugdual.saunier@gmail.com>
Tuuo Shan <sturbo89@gmail.com> <shantuogoogle.com>
Tyler Bui-Palsulich <tpalsulich@google.com>
Tyler Bunnell <tylerbunnell@gmail.com>
Tyler Treat <ttreat31@gmail.com>
Tzu-Jung Lee <roylee17@currant.com>
Ugorji Nwoke <ugorji@gmail.com>
Ulf Holm Nielsen <doktor@dyregod.dk>
Ulrich Kunitz <uli.kunitz@gmail.com>
Umang Parmar <umangiparmar@gmail.com>
Uriel Mangado <urriel@berlinblue.org>
Will Faught <will.faught@gmail.com>
Will Morrow <wmorrow.qdt@qualcommdatacenter.com>
Will Norris <willnorris@gmail.com>
Will Storey <will@summercat.com>
Willem van der Schyff <willemvds@gmail.com>
William Chan <willchan@chromium.org>
William Chang <mr.williamchang@gmail.com>
William Josephson <wjosephson@gmail.com>
William Orr <will@worrbase.com> <ay1244@gmail.com>
Wisdom Omuya <deafgoat@gmail.com>
Wu Yunzhou <yunzhouwu@gmail.com>
Xi Ruoyao <xry23333@gmail.com>
Xia Bin <snyh@snyh.org>
Xing Xing <mikespook@gmail.com>
Xu Fei <badgangkiller@gmail.com>
Xudong Zhang <felixmelon@gmail.com>
Xudong Zheng <7pkvm5aw@slicecalias.com>
Xuyang Kang <xuyangkang@gmail.com>
Yamagishi Kazutoshi <ykzts@desire.sh>
Yan Zou <yzou@gmail.com>
Yann Hodique <yhodique@google.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yann Salan <yannsalaun1@gmail.com>
Yao Zhang <lunaria21@gmail.com>
Yaron de Leeu <jarondl@gmail.com>
Yasha Bubnov <girokompass@gmail.com>
Yasuharu Goto <matope.ono@gmail.com>
Yasuhiro Matsumoto <mattn.jp@gmail.com>
Yasuyuki Oka <yasuyk@gmail.com>
Yazen Shunnar <yazen.shunnar@gmail.com>
Yestin Sun <ylh@pdx.edu>
Yesudeep Mangalapilly <yesudeep@gmail.com>
Yissakhar Z. Beck <yissakhar.beck@gmail.com>
Yo-An Lin <yoanlin93@gmail.com>
Yohei Takeda <yo.tak0812@gmail.com>
Yongjian Xu <i3dmaster@gmail.com>
Yorman Arias <cixtords@gmail.com>
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuji Yaginuma <yujuji.yaginuma@gmail.com>
Yuki OKUSHI <huyuumi.dev@gmail.com>
Yuki Yugui Sonoda <yugui@gmail.com>
Yukihiro Nishinaka <6elpinal@gmail.com>
Yury Smolsky <yury@smolsky.by>
Yusuke Kagiwada <block.rxckin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zbinlff@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gershman <zgershman@pivotal.io>
Zak <zrjknull@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
Zhengyu He <hzy@google.com>
Zhongpeng Lin <zplin@uber.com>
Zhongtao Chen <chenzhongtao@126.com>
Zhongwei Yao <zhongwei.yao@arm.com>
Zhou Peng <p@ctriple.cn>
Ziad Hatahet <hatahet@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
<max.faceless.frei@gmail.com>
<hagen1778@gmail.com>
<tbunyk@gmail.com>
<faxriddinjon@gmail.com>
<zs349596@gmail.com>
<bronze1man@gmail.com>
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Contributors:
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* Colin Surprenant (colinsurprenant)
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package populate

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/config"
    api "cto-github.cisco.com/NFV-BU/go-msx/integration/usermanagement"
    "cto-github.cisco.com/NFV-BU/go-msx/log"
    "cto-github.cisco.com/NFV-BU/go-msx/paging"
    "cto-github.cisco.com/NFV-BU/go-msx/populate"
    "cto-github.cisco.com/NFV-BU/go-msx/resource"
    "cto-github.cisco.com/NFV-BU/go-msx/security/service"
    "github.com/pkg/errors"
    "net/http"
    "path"
)

const ( 
    permissionsPopulatorConfigRoot = "populate.usermanagement.permission"
    manifestFile            = "manifest.json"
)

var logger = log.NewLogger("msx.integration.usermanagement.populate")

type manifest struct{
    Owner               string               `json:"owner"`
    DeletedCapabilities []string             `json:"deletedCapabilities"`
}
type capabilityArtifact struct {
    Name        string `json:"name"
    DisplayName string `json:"displayName"
    Description string `json:"description"
    Category    string `json:"category"
    Operation   string `json:"operation"
    ObjectName  string `json:"objectName"
    Owner       string `json:"owner"
    IsDefault   bool   `json:"isDefault,omitempty"
}

type roleArtifact struct {
    RoleName       string   `json:"roleName"
    CapabilityList []string `json:"capabilityList"
}

type roleMap map[string]api.RoleResponse

type PermissionPopulatorConfig struct {
    Enabled bool   `config:"default=false"
    Root    string `config:"default=${populate.root}/usermanagement"
}

func NewPermissionPopulatorConfigFromConfig(cfg *config.Config) (*PermissionPopulatorConfig, error) {
    var populatorConfig PermissionPopulatorConfig
    if err := cfg.Populate(&populatorConfig, permissionsPopulatorConfigRoot); err != nil {
        return nil, err
    }
    return &populatorConfig, nil
}

func (p PermissionPopulator) depopulateCapability(ctx context.Context, idm api.Api, owner string, name string) error {
    logger.WithContext(ctx).Infof("Removing capability %q", name)
    response, err := idm.DeleteCapability(true, owner, name)
    if err != nil {
            return nil
        }
    }
    return response
}
logger.WithContext(ctx).Warnf("Capability %q not found.", name)
return nil
}

return errors.Wrapf(err, "Failed to remove capability %q", name)
}

return nil
}

func (p PermissionPopulator) populateCapability(ctx context.Context, idm api.Api, owner string, capability capabilityArtifact) error {
    logger.WithContext(ctx).Infof("Removing capability %q", capability.Name)

    _, err := idm.BatchUpdateCapabilities(true, owner, []api.CapabilityUpdateRequest{
        {
            Category:    capability.Category,
            Description: capability.Description,
            DisplayName: capability.DisplayName,
            Name:        capability.Name,
            ObjectName:  capability.ObjectName,
            Operation:   capability.Operation,
        },
    })
    if err != nil {
        return errors.Wrapf(err, "Failed to update capability %q", capability.Name)
    }

    return nil
}

func (p PermissionPopulator) depopulateRole(ctx context.Context, idm api.Api, name string, roleMap roleMap) error {
    logger.WithContext(ctx).Infof("Removing role %q", name)

    if _, ok := roleMap[name]; !ok {
        logger.WithContext(ctx).Warnf("Role %s already deleted", name)
        return nil
    }

    response, err := idm.DeleteRole(name)
    if err != nil {
            logger.WithContext(ctx).Warnf("Role %q not found.", name)
            return nil
        }
    }

    return nil
}
func (p PermissionPopulator) populateRole(ctx context.Context, idm api.Api, owner string, role roleArtifact, roleMap roleMap) (err error) {
    if _, ok := roleMap[role.RoleName]; ok {
        logger.WithContext(ctx).Infof("Updating existing role %q", role.RoleName)

        _, err = idm.UpdateRole(true, api.RoleUpdateRequest{
            CapabilityList: role.CapabilityList,
            Owner:          roleMap[role.RoleName].Owner,
            RoleName:       role.RoleName,
        })
    } else {
        logger.WithContext(ctx).Infof("Creating new role %q", role.RoleName)

        _, err = idm.CreateRole(true, api.RoleCreateRequest{
            CapabilityList: role.CapabilityList,
            Owner:          owner,
            RoleName:       role.RoleName,
        })
    }

    if err != nil {
        return errors.Wrapf(err, "Failed to populate role %q", role.RoleName)
    }

    return nil
}

func (p PermissionPopulator) getRoles(ctx context.Context, idm api.Api) (roleMap, error) {
    response, err := idm.GetRoles(true, paging.Request{Page: 0, Size: 1000})
    if err != nil {
        return nil, err
    }

    roleListResponse, ok := response.Payload.(*api.RoleListResponse)
    if !ok {
        return nil, errors.New("Unable to parse IDM role list response")
    }

    var result = make(map[string]api.RoleResponse)
    for _, role := range roleListResponse.Roles {
        result[role.RoleName] = role
    }

    return result, nil
}
func (p PermissionPopulator) Populate(ctx context.Context) error {
    if !p.cfg.Enabled {
        logger.WithContext(ctx).Warn("Role/Capability populator disabled.")
        return nil
    }

    return service.WithDefaultServiceAccount(ctx, func(ctx context.Context) error {

        var manifest manifest
        err := resource.
            Reference(path.Join(p.cfg.Root, manifestFile)).
            Unmarshal(&manifest)
        if err != nil {
            return err
        }

        idm, _ := api.NewIntegration(ctx)
        roleMap, err := p.getRoles(ctx, idm)
        if err != nil {
            return errors.Wrap(err, "Failed to retrieve role list")
        }

        logger.WithContext(ctx).Info("Populating capabilities")
        for _, name := range manifest.DeletedCapabilities {
            err = p.depopulateCapability(ctx, idm, manifest.Owner, name)
            if err != nil {
                return err
            }
        }

        for _, capability := range manifest.Capabilities {
            err = p.populateCapability(ctx, idm, manifest.Owner, capability)
            if err != nil {
                return err
            }
        }

        logger.WithContext(ctx).Info("Populating roles")
        for _, role := range manifest.Roles {
            err = p.populateRole(ctx, idm, manifest.Owner, role, roleMap)
            if err != nil {
                return err
            }
        }
    })
}
for _, name := range manifest.DeletedRoles {
    err = p.depopulateRole(ctx, idm, name, roleMap)
}

return nil
}

func init() {
    populate.RegisterPopulationTask(populate.NewPopulatorTask(
        "Populate roles and capabilities",
        1000,
        []string{"all", "customRolesAndCapabilities", "serviceMetadata"},
        func(context.Context) (populate.Populator, error) {
            cfg, err := NewPermissionPopulatorConfigFromConfig(config.MustFromContext(ctx))
            if err != nil {
                return nil, err
            }
            return &PermissionPopulator{
                cfg: *cfg,
            }, nil
        }))
}

package rbac

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/security"
    "github.com/pkg/errors"
)

const (  
    PermissionIsApiAdmin = "IS_API_ADMIN"
    PermissionAccessAllTenants = "ACCESS_ALL_TENANTS"
    PermissionViewServices = "VIEW_SERVICES"
    PermissionManageServices = "MANAGE_SERVICES"
    PermissionViewContact = "VIEW_CONTACT"
    PermissionManageContact = "MANAGE_CONTACT"
    PermissionViewLocaleString = "VIEW_LOCALE_STRING"
    PermissionManageLocaleString = "MANAGE_LOCALE_STRING"
    PermissionViewIntegration = "VIEW_INTEGRATION"
    PermissionManageIntegration = "MANAGE_INTEGRATION"
    PermissionViewMaintenanceInfo = "VIEW_MAINTENANCE_INFO"
    PermissionManageMaintenanceInfo = "MANAGE_MAINTENANCE_INFO"
    PermissionViewMetadata = "VIEW_METADATA"
PermissionManageMetadata = "MANAGE_METADATA"
PermissionViewScheduledTask = "VIEW_SCHEDULE_TASK"
PermissionManageScheduledTask = "MANAGE_SCHEDULE_TASK"
PermissionViewTenantScheduledTask = "VIEW_TENANT_SCHEDULE_TASK"
PermissionManageTenantScheduledTask = "MANAGE_TENANT_SCHEDULE_TASK"
PermissionViewBulkImport = "VIEW_BULK_IMPORT"
PermissionManageBulkImport = "MANAGE_BULK_IMPORT"
PermissionViewAlertService = "VIEW_ALERT_SERVICE"
PermissionManageAlertService = "MANAGE_ALERT_SERVICE"
PermissionViewThemes = "VIEW_THEMES"
PermissionManageThemes = "MANAGE_THEMES"
PermissionViewSlm = "VIEW_SLM"
PermissionManageSlm = "MANAGE_SLM"
PermissionViewNotification = "VIEW_NOTIFICATION"
PermissionManageNotification = "MANAGE_NOTIFICATION"
PermissionViewRegion = "VIEW_REGION"
PermissionManageRegion = "MANAGE_REGION"
PermissionViewVpn = "VIEW_VPN"
PermissionManageVpn = "MANAGE_VPN"
PermissionViewPnp = "VIEW_PNP"
PermissionManagePnp = "MANAGE_PNP"
PermissionViewPricePlan = "VIEW_PRICE_PLAN"
PermissionManagePricePlan = "MANAGE_PRICE_PLAN"
PermissionImportService = "IMPORT_SERVICE"
PermissionExportService = "EXPORT_SERVICE"
PermissionViewTermsConditions = "VIEW_TERMS_CONDITIONS"
PermissionManageTermsConditions = "MANAGE_TERMS_CONDITIONS"
PermissionViewIncident = "VIEW_INCIDENT"
PermissionManageIncident = "MANAGE_INCIDENT"
PermissionViewIncidentConfig = "VIEW_INCIDENT_CONFIG"
PermissionManageIncidentConfig = "MANAGE_INCIDENT_CONFIG"

var ErrUserDosNotHavePermission = errors.New("User does not have any of the required permissions")

func HasPermission(ctx context.Context, required []string) error {
  logger.WithContext(ctx).Debugf("Verifying permissions %q", required)

  userContextDetails, err := security.NewUserContextDetails(ctx)
  if err != nil {
    return err
  }

  permissions := userContextDetails.Permissions

  // bypass permission check if user has permission: IS_API_ADMIN
  for _, permission := range permissions {
    if PermissionIsApiAdmin == permission {


for _, p := range required {
    for _, permission := range permissions {
        if p == permission {
            return nil
        }
    }
}

return ErrUserDoesNotHavePermission
}

func HasAccessAllTenants(ctx context.Context) (bool, error) {
    err := HasPermission(ctx, []string{PermissionAccessAllTenants})
    if err == ErrUserDoesNotHavePermission {
        return false, nil
    }
    if err == nil {
        return true, nil
    }
    return false, err
}

package securitytest

import (
    "context"
    "cto-github.cisco.com/NFV-BU/go-msx/security"
    "cto-github.cisco.com/NFV-BU/go-msx/types"
)

var DefaultUserId = types.MustParseUUID("67f9b089-532e-4b54-9a06-8e4eade2114e")
var DefaultTenantId = types.MustParseUUID("960272b3-e800-43e6-86ce-7d51672bd80d")
var DefaultProviderId = types.MustParseUUID("30b62544-860e-42fb-93ba-bc7e771df61")

type MockTokenDetailsProvider struct {
    UserName     string
    UserId       types.UUID
    ClientId     string
    Active       bool
    TenantId     types.UUID
    TenantName   string
    ProviderId   types.UUID
    ProviderName string
    Roles        []string
}
func (m *MockTokenDetailsProvider) WithUserName(userName string) *MockTokenDetailsProvider {
    m.UserName = userName
    return m
}

func (m *MockTokenDetailsProvider) WithUserId(userId types.UUID) *MockTokenDetailsProvider {
    m.UserId = userId
    return m
}

func (m *MockTokenDetailsProvider) WithClientId(clientId string) *MockTokenDetailsProvider {
    m.ClientId = clientId
    return m
}

func (m *MockTokenDetailsProvider) WithActive(active bool) *MockTokenDetailsProvider {
    m.Active = active
    return m
}

func (m *MockTokenDetailsProvider) WithTenantId(tenantId types.UUID) *MockTokenDetailsProvider {
    m.TenantId = tenantId
    return m
}

func (m *MockTokenDetailsProvider) WithTenantName(tenantName string) *MockTokenDetailsProvider {
    m.TenantName = tenantName
    return m
}

func (m *MockTokenDetailsProvider) WithProviderId(providerId types.UUID) *MockTokenDetailsProvider {
    m.ProviderId = providerId
    return m
}

func (m *MockTokenDetailsProvider) WithProviderName(providerName string) *MockTokenDetailsProvider {
    m.ProviderName = providerName
    return m
}

func (m *MockTokenDetailsProvider) WithRole(roleName string) *MockTokenDetailsProvider {
    roles := types.StringStack(m.Roles)
    if !roles.Contains(roleName) {
        m.Roles = append(m.Roles, roleName)
    }
    return m
}
func (m *MockTokenDetailsProvider) WithoutRole(roleName string) *MockTokenDetailsProvider {
    var roles []string
    for _, role := range m.Roles {
        if role != roleName {
            roles = append(roles, role)
        }
    }
    m.Roles = roles
    return m
}

func (m *MockTokenDetailsProvider) WithPermission(permissionName string) *MockTokenDetailsProvider {
    permissions := types.StringStack(m.Permissions)
    if !permissions.Contains(permissionName) {
        m.Permissions = append(m.Permissions, permissionName)
    }
    return m
}

func (m *MockTokenDetailsProvider) WithoutPermission(permissionName string) *MockTokenDetailsProvider {
    var permissions []string
    for _, permission := range m.Permissions {
        if permission != permissionName {
            permissions = append(permissions, permission)
        }
    }
    m.Permissions = permissions
    return m
}

func (m *MockTokenDetailsProvider) WithTenantAssociation(tenantId types.UUID) *MockTokenDetailsProvider {
    for _, tenant := range m.Tenants {
        if tenant.Equals(tenantId) {
            return m
        }
    }
    m.Tenants = append(m.Tenants, tenantId)
    return m
}

func (m *MockTokenDetailsProvider) WithoutTenantAssociation(tenantId types.UUID) *MockTokenDetailsProvider {
    for n, tenant := range m.Tenants {
        if tenant.Equals(tenantId) {
            return m
        }
    }
    m.Tenants = append(m.Tenants, tenantId)
    return m
}
if tenant.Equals(tenantId) {
  m.Tenants = append(m.Tenants[:n], m.Tenants[n+1:]...
  break
}

return m
}

func (m *MockTokenDetailsProvider) TokenDetails(_ context.Context) (*security.UserContextDetails, error) {
  return &security.UserContextDetails{
    Active:       m.Active,
    ClientId:     &m.ClientId,
    Username:     &m.UserName,
    UserId:       m.UserId,
    Roles:        m.Roles,
    Permissions:  m.Permissions,
    Tenants:      m.Tenants,
    TenantId:     m.TenantId,
    TenantName:   &m.TenantName,
    ProviderId:   m.ProviderId,
    ProviderName: &m.ProviderName,
  }, nil
}

func (m *MockTokenDetailsProvider) IsTokenActive(_ context.Context) (bool, error) {
  return m.Active, nil
}

func (m *MockTokenDetailsProvider) Inject(ctx context.Context) context.Context {
  return security.ContextWithTokenDetailsProvider(ctx, m)
}

func NewMockTokenDetailsProvider() *MockTokenDetailsProvider {
  return &MockTokenDetailsProvider{
    UserName: "tester",
    ClientId: "client-id",
    UserId: DefaultUserId,
    TenantId: DefaultTenantId,
    TenantName: "test-tenant",
    ProviderId: DefaultProviderId,
    ProviderName: "cisco",
    Active: true,
    Roles: []string{"TESTER"},
    Permissions: []string{ },
    Tenants: []types.UUID{},
  }
}
func MockTokenDetailsProviderFromContext(ctx context.Context) *MockTokenDetailsProvider {
    tokenDetailsProvider := security.TokenDetailsProviderFromContext(ctx)

    // Ensure the latest provider is our mock
    var ok bool
    if tokenDetailsProvider != nil {
        _ , ok = tokenDetailsProvider.(*MockTokenDetailsProvider)
    }

    if !ok {
        return nil
    }

    return tokenDetailsProvider.(*MockTokenDetailsProvider)
}

func TokenDetailsProviderInjector(ctx context.Context) context.Context {
    mockTokenDetailsProvider := MockTokenDetailsProviderFromContext(ctx)

    if mockTokenDetailsProvider == nil {
        mockTokenDetailsProvider = NewMockTokenDetailsProvider()
        ctx = security.ContextWithTokenDetailsProvider(ctx, mockTokenDetailsProvider)
    }

    return ctx
}

func TokenDetailsProviderCustomizer(fn func(*MockTokenDetailsProvider)) types.ContextInjector {
    return func(ctx context.Context) context.Context {
        ctx = TokenDetailsProviderInjector(ctx)
        tokenDetailsProvider := MockTokenDetailsProviderFromContext(ctx)
        fn(tokenDetailsProvider)
        return ctx
    }
}

func ClientIdInjector(clientId string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.ClientId = clientId
    })
}

func PermissionInjector(permissions ...string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Permissions = append(provider.Permissions, permissions...)
    })
}
func TenantAssignmentInjector(tenantIds ...types.UUID) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Tenants = append(provider.Tenants, tenantIds...)
    })
}

func RolesInjector(roles ...string) types.ContextInjector {
    return TokenDetailsProviderCustomizer(func(provider *MockTokenDetailsProvider) {
        provider.Roles = append(provider.Roles, roles...)
    })
}

func AuthoritiesInjector(authorities ...string) types.ContextInjector {
    return func(ctx context.Context) context.Context {
        userContextPtr := security.UserContextFromContext(ctx)
        userContext := *userContextPtr
        userContext.Authorities = append(userContext.Authorities, authorities...)
        ctx = security.ContextWithUserContext(ctx, &userContext)
        return ctx
    }
}

1.240 golang-lru v0.5.3

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1.241 sanitized-anchor-name v1.0.0

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1.243 libuv 1.20.2-r0

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#define UV_PLATFORM_FS_EVENT_FIELDS
  uv__io_t event_watcher;

#define UV_IO_PRIVATE_PLATFORM_FIELDS
  int rcount;
  int wcount;

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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Julian Seward, Cambridge, UK.
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bzip2/libbzip2 version 1.0.2 of 30 December 2001

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1.247 jsonpb 3.1.9-2.el7

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1.252 futures 2.1.6

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options=":check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart-lgpl-$pkgver"

prepare() {
update_config_sub
default_prepare
}

build() {
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171f99ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020  libart-lgpl-2.3.21.tar.bz2"

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pkgname=py3-flake8-copyright
.pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options=":check"  # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname-$pkgver.tar.gz}"

Open Source Used In MSX Platform Infrastructure 4.0.0 1723
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-$pkgrel" # Backwards compatibility

build() {
python3 setup.py build
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fffd153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
 pkgver=1.2911
 pkgrel=4
 pkgdesc="Perl extension implements the BSD process resource limit functions"
 url="https://metacpan.org/release/BSD-Resource"
 arch="all"
 license="GPL-1.0-or-later OR Artistic-1.0-Perl"
 makedepends="perl-dev"
 subpackages="$pkgname-doc"
 source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb6b2067daedaf53b15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16d9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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options="-ccheck"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfturtle rdfturtle rdfturtle template text"

for type in _types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir"/usr/share/spdx
  cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir"/usr/share/spdx
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*/}
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
  done
}

sha512sums="0950540df050fbd777ce92f5ad1bf756725e233d701f0c5b2fc5bf85da65bba3400de7fd78b4b1d8a41deab4e46a5f1018f4587d9f3e0428a5a64f32c06c0
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1.255 binutils 2.27-44.base.el7

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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]j0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a spar 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-coffi) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

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

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

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

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(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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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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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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Appendix: How to Apply These Terms to Your New Libraries

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

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

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1.257 libksba 1.3.5-2

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1.260 minmatch 3.0.4

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1.261 tomcat-embed-websocket 9.0.17

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1.262 bash 5.0.0-r0

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1.264 findutils 4.6.0+git+20190209 2
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It was downloaded from ftp://ftp.gnu.org/gnu/findutils

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

Upstream Authors:
* GNU find was written by Eric Decker <cire@cisco.com>, with enhancements by David MacKenzie <djm@gnu.org>, Jay Plett <jay@silence.princeton.nj.us>, and Tim Wood <axolotl!tim@toad.com>.
The idea for -print0 and xargs -0 came from Dan Bernstein <brmnstd@kramden.acf.nyu.edu>.
Improvements have been made by James Youngman <jay@gnu.org>.

* GNU xargs was originally written by Mike Rendell, with enhancements by David MacKenzie. Modifications by James Youngman Dmitry V. Levin
GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman and Bas van Gompel.

Upstream's AUTHORS lists these major contributors:
Eric B. Decker
Michael Rendell
David J. MacKenzie
Jim Meyering
Tim Wood
Kevin Dalley <kevind@rahul.net>
Paul Eggert <eggert@cs.ucla.edu>
James Youngman <jay@gnu.org>
Jay Plett
Paul Sheer
Dmitry V. Levin
Bas van Gompel
Eric Blake <ebb9@byu.net>
Andreas Metzler
Kamil Dudka <kdudka@redhat.com>
Bernhard Voelker <mail@bernhard-voelker.de>

Current upstream maintainer is James Youngman <jay@gnu.org>.

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1.266 netty-handler 4.1.50.Final

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jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SslContextBuilder.java

1.267 unboundid-ldap-sdk 4.0.8

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^L

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1.271 kerberos v0.0.0-20200720160335
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package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
// The returned connector is intended to be used with database/sql.OpenDB.
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.274 plugin-classloader 6.8.12

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Found in path(s):
* /opt/cola/permits/1124222458_1611010451.18/0/plugin-classloader-6-8-12-sources-1-jar/org/elasticsearch/plugins/ExtendedPluginsClassLoader.java

1.275 go-redis-redis v8.5.0
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1.277 cmux v0.1.4

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1.279 debianutils 4.8.1.1

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1.285 diffutils 3.5-3

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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
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1.293 pinentry 1.0.0 2

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1.296 pytoml 0.1.2
1.296.1 Available under license :

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

Metadata-Version: 1.0
Name: pytoml
Version: 0.1.0
Summary: A parser for TOML-0.4.0
Home-page: https://github.com/avakar/pytoml
Author: Martin Vejnír
Author-email: avakar@ratatanek.cz
License: MIT
Description: UNKNOWN
Platform: UNKNOWN

Found in path(s):
* /opt/cola/permits/1156519782_1619204203.35/0/pytoml-0-1-2-3-zip/pytoml-0.1.2/test/pytoml.egg-info/PKG-INFO

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

Metadata-Version: 1.0
Name: pytoml
Version: 0.1.2
Summary: A parser for TOML-0.4.0
Home-page: https://github.com/avakar/pytoml
Author: Martin Vejnír
Author-email: avakar@ratatanek.cz
License: MIT
Description: UNKNOWN
Platform: UNKNOWN

Found in path(s):
* /opt/cola/permits/1156519782_1619204203.35/0/pytoml-0-1-2-3-zip/pytoml-0.1.2/PKG-INFO

1.297 google-uuid v1.1.1
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import: ../../../../fossene/db/schema/thing.yml

fields:
    site: string
    author: root

1.299 icu4j 62.1

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Andrew Kelley
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Bartosz Brachaczek
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1.319 libx11 1.6.9-r0

1.319.1 Available under license:

```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="Ssrcdir"/libart_lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure
    --build=$CBUILD
    --host=$CHOST
    --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bac727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgnames=py3-flake8-copyright
_pkpkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No test suite
```
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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/_pkgreal-$pkgver"

prepare() {
  default_prepare
  export CFLAGS=$(/bin/perl -MConfig -E 'say $Config{ccflags}'))
  PERL_MM_USE_DEFAULT=1 /bin/perl Makefile.PL INSTALLDIRS=vendor
build() {
  export CFLAGS=$(/usr/pkg/perl -MConfig -E 'say $Config{ccflags}'))
  make
}

check() {
  make test
}

package() {
  make DESTDIR="/usr/pkg" install
  find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1ec6d8f57b885f6c97a5039d75c8cb60b2067daedaf53bd15fb6561a3d0f828df16
                  dfa5417f6d3b8065b6a5f4efa16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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1.320 btree v1.0.0

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sanchez, Wilfredo
Sanders, Miguel
Sasaki, Kan
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Spradling, Michael
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhli, 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 as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro  
Blittermann, Mario  
Bogusz, Jakub  
Buo-ren, Lin  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez, Francisco  
Fontenelle, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frederic  
Hein, Jochen  
Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Keeci, Mehmet  
Koir, Klemen  
Kozlov, Yuri  
Kramer, Jakob  
Krzmar, Tomislav  
Marchal, Frederic  
Margeviu, Algimantas
1.322 dc 1.3

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathItemButton.m
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DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButtonItemButton.m
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/ViewController.h
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButtonItemButton.m

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift-Bridging-Header.h
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-SwiftTests/Example_SwiftTests.swift
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/AppDelegate.swift
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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 = <<-DESC
DCPathButton is a menu button, design by an famous App Path®.
Since Path® 4.0, it return to use a tab bar instead of a side bar,

```ruby
Pod::Spec.new do |
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = "A beautiful button copy from Path®"

  s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®.
Since Path® 4.0, it return to use a tab bar instead of a side bar,

```ruby
```
and also change the menu button. So I try to implement it and then
the DCPPathButton born :)

DESC

s.homepage = "https://github.com/Tangdixi/DCPathButton"

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

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

s.platform = :ios, '7.0'

s.source = {
:git => "https://github.com/Tangdixi/DCPathButton.git",
:tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.h,m'

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

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

end

Found in path(s):
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/DCPathButton.podspec

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Pods/DCPathButton/ACKNOWLEDGEMENTS.markdown
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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Pods/DCPathButton/README.md
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1.323 ozzo-validation v3.5.0+incompatible

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1.325 lz4-java 1.3.0.SNAPSHOT

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

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Ethan Mosbaugh <emosbaugh@gmail.com>
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.338 nicolai86-scaleway-sdk v1.10.2-0.20180628010248-798f60e20bb2

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1.339 aws-sdk-go v1.33.8

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1.342 krb5-conf 1.0-r1

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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
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
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
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lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
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lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
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
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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$Id$
*)

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1.354 byte-buddy-dep 1.9.12

1.355 xz 5.2.4 1

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Bartosz Brachaczek
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1.362 kerberos 1.18.1

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lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_delete_sec_context.c
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    kadmin/server/ipropd_svc.c
    lib/kdb/prop.x
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1.373 nopt 4.0.3

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1.374 logstash-input-heartbeat 3.0.7

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1.377 gin 1.3.0

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1.379 openzipkin-zipkin-go v0.2.2

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1.380 wcwidth 1.0.1

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRlBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections
* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
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  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

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  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

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  * Add missing WrappedSocket.fileno method in PyOpenSSL

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  * Fixed a race condition

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  * Added HTTPS (CONNECT) proxy support

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

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

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

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire
* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

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

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

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

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

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

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

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

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

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

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

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

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

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

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

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

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

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

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

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

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

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

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

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

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.
* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to ``contrib.securetransport``

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

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

**1.382 azure-pipeline-go v0.1.8**

**1.382.1 Available under license:**

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1.383 opensaml-storage-api 3.3.0

1.384 rsync 3.1.2-1+deb9u1

1.384.1 Available under license:
This is Debian's prepackaged version of Andrew Tridgell and Paul Mackerras' rsync utility.

This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:
http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz
The current version was downloaded from:
http://rsync.samba.org/ftp/rsync/src/rsync-3.1.0.tar.gz
on 2013-09-30 by Paul Slootman <paul@debian.org>.

The changes were very minimal - merely adding support for the Debian package maintenance scheme by adding various debian/* files.
The only significant change is passing the -4 / -6 options through to ssh.
See the debian/patches/ directory.

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Version 3, 29 June 2007

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#
#***********************************************************************
#
# 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
  }
}
CREATE TABLE doctransaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL, t_mode VARCHAR(1) DEFAULT 'U' CHECK (t_mode IN ('U', 'R')), d_date DATE NOT NULL, t_savestep VARCHAR(1) DEFAULT 'N' CHECK (t_savestep IN ('Y', 'N')), i_parent INTEGER, t_refreshviews VARCHAR(1) DEFAULT 'Y' CHECK (t_refreshviews IN ('Y', 'N')));

CREATE TABLE doctransactionitem (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_doctransaction_id INTEGER NOT NULL, i_object_id INTEGER NOT NULL, t_object_table TEXT NOT NULL, t_action VARCHAR(1) DEFAULT 'I' CHECK (t_action IN ('I', 'U', 'D')), t_sqlorder TEXT NOT NULL DEFAULT '');

CREATE TABLE doctransactionmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_doctransaction_id INTEGER NOT NULL, t_message TEXT NOT NULL DEFAULT '', t_popup VARCHAR(1) DEFAULT 'Y' CHECK (t_popup IN ('Y', 'N')));

CREATE TABLE unit (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL, t_symbol TEXT NOT NULL DEFAULT '', t_country TEXT NOT NULL DEFAULT '', t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('1', '2', 'C', 'S', 'I', 'O')), t_internet_code TEXT NOT NULL DEFAULT '', i_nbdecimal INT NOT NULL DEFAULT 2, rd_unit_id INTEGER NOT NULL DEFAULT 0, t_source TEXT NOT NULL DEFAULT '');

CREATE TABLE unitvalue (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_unit_id INTEGER NOT NULL, d_date DATE NOT NULL, f_quantity FLOAT NOT NULL CHECK (f_quantity>=0));

CREATE TABLE bank (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, t_name TEXT NOT NULL DEFAULT '', t_bank_number TEXT NOT NULL DEFAULT '', t_icon TEXT NOT NULL DEFAULT '');

CREATE TABLE interest (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, rd_account_id INTEGER NOT NULL, d_date DATE NOT NULL, f_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 '', t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')), 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')), f_value FLOAT NOT NULL DEFAULT 0.0, r_category_id INTEGER NOT NULL DEFAULT 0, i_tmp INTEGER NOT NULL DEFAULT 0, t_refund_id INTEGER NOT NULL DEFAULT 0, t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));

CREATE TABLE operationbalance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT, f_balance FLOAT NOT NULL DEFAULT 0, r_operation_id INTEGER NOT NULL);

CREATE TABLE 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')),f_sortorder FLOAT);
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,rc_category_id INTEGER NOT NULL DEFAULT 0,t_category_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_condition IN ('Y', 'N')),t_year_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_year_condition IN ('Y', 'N')),i_year INTEGER NOT NULL DEFAULT 2010,i_month INTEGER NOT NULL DEFAULT 0 CHECK (i_month>=0 AND i_month<=12),t_month_condition TEXT NOT NULL DEFAULT 'Y' CHECK (t_month_condition IN ('Y', 'N')),i_condition INTEGER NOT NULL DEFAULT 0 CHECK (i_condition IN (-1,0,1)),f_quantity FLOAT NOT NULL DEFAULT 0.0,t_absolute TEXT NOT NULL DEFAULT 'Y' CHECK (t_absolute IN ('Y', 'N')),rc_category_id_target INTEGER NOT NULL DEFAULT 0,t_category_target TEXT NOT NULL DEFAULT 'Y' CHECK (t_category_target IN ('Y', 'N')),t_rule TEXT NOT NULL DEFAULT 'N' CHECK (t_rule IN ('Y', '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 '',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 DEFAULT '',t_number TEXT NOT NULL DEFAULT '',t_agency_number TEXT NOT NULL DEFAULT '',t_agency_address TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')),t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', 'T', 'L', 'W', 'O')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),rd_bank_id INTEGER NOT NULL);
CREATE TABLE "node" (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_fullname TEXT,rd_node_id INT,t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),t_icon TEXT,t_data TEXT,rd_node_id INT,t_sortorder FLOAT,rd_auto_start VARCHAR(1) DEFAULT 'N' CHECK (rd_auto_start 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_refund_close ON refund(t_close);
CREATE INDEX idx_interest_account_id ON interest (rd_account_id);
CREATE INDEX idx_rule_action_type ON rule(t_action_type);
CREATE INDEX idx_budget_category_id ON budget(rc_category_id);
CREATE INDEX idx_budgetcategory_id ON budgetcategory (id);
CREATE INDEX idx_budgetcategory_id_category ON budgetcategory (id_category);
CREATE UNIQUE INDEX uidx_parameters_uuid_parent_name ON parameters (t_uuid_parent, t_name);
CREATE UNIQUE INDEX uidx_node_parent_id_name ON node(t_name,rd_node_id);
CREATE UNIQUE INDEX uidx_node_fullname ON node(t_fullname);
CREATE UNIQUE INDEX uidx_node_symbol ON unit(t_symbol);
CREATE UNIQUE INDEX uidx_budgetcategory_id_category ON budgetcategory (id_category);
CREATE UNIQUE INDEX uidx_bank_name ON bank(t_name);
CREATE UNIQUE INDEX uidx_account_name ON account(t_name);
CREATE UNIQUE INDEX uidx_category_parent_id_name ON category(t_name,rd_category_id);
CREATE UNIQUE INDEX uidx_category_fullname ON category (t_fullname);
CREATE UNIQUE INDEX uidx_refund_name ON refund(t_name);
CREATE UNIQUE INDEX uidx_payee_name ON payee(t_name);
CREATE UNIQUE INDEX uidx_interest ON interest(d_date,rd_account_id);
CREATE UNIQUE INDEX uidx_budget ON budget(i_year,i_month, rc_category_id);
CREATE VIEW v_node AS SELECT * from node;
CREATE VIEW v_node_displayname AS SELECT *, t_fullname AS t_displayname from node;
CREATE VIEW v_parameters_displayname AS SELECT *, t_name AS t_displayname from parameters;
CREATE TRIGGER fkdc_parameters_parameters_uuid BEFORE DELETE ON parameters FOR EACH ROW BEGIN
    DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'parameters';
END;
CREATE TRIGGER fkdc_node_parameters_uuid BEFORE DELETE ON node FOR EACH ROW BEGIN
    DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'node';
END;
CREATE TRIGGER cpt_node_fullname1 AFTER INSERT ON node BEGIN UPDATE node SET
    t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN
    new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id)||' > '||new.t_name END
    WHERE id=new.id;END;
CREATE TRIGGER cpt_node_fullname2 AFTER UPDATE OF t_name, rd_node_id ON node BEGIN UPDATE
    node SET t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id='' OR new.rd_node_id=0 THEN
    new.t_name ELSE (SELECT c.t_fullname from node c where c.id=new.rd_node_id)||' > '||new.t_name END
    WHERE id=new.id;END;
CREATE TRIGGER fki_account_bank_rd_bank_id_id BEFORE INSERT ON account FOR EACH ROW BEGIN
    SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (bank est utilis par account)
    Nom de la contrainte: fki_account_bank_rd_bank_id_id') WHERE NEW.rd_bank_id!=0 AND
    NEW.rd_bank_id!='' AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fku_account_bank_rd_bank_id_id BEFORE UPDATE ON account FOR EACH ROW BEGIN
    SELECT RAISE(ABORT, 'Impossible de modifier un objet (bank est utilis par account)
    Nom de la contrainte: 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 account 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 budget WHERE id = NEW.rc_category_id) IS NULL; 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 budget 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: fk_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 supprimer un objet (category est utilisé par budget) Nom de la contrainte: fkd_budget_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM budget WHERE rc_category_id = OLD.id) IS NOT NULL; END;

CREATE TRIGGER fki_budgetrule_category_rc_category_id_id BEFORE INSERT ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par budgetrule) Nom de la contrainte: fki_budgetrule_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;

CREATE TRIGGER fku_budgetrule_category_rc_category_id_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par budgetrule) Nom de la contrainte: fku_budgetrule_category_rc_category_id_id') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;

CREATE TRIGGER fkd_budgetrule_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de supprimer un objet (category est utilisé par budgetrule) Nom de la contrainte: fkd_budgetrule_category_rc_category_id_id') WHERE (SELECT rc_category_id FROM budgetrule WHERE rc_category_id = OLD.id) IS NOT NULL; END;

CREATE TRIGGER fki_category_category_rd_category_id_id BEFORE INSERT ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par category) Nom de la contrainte: fki_category_category_rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;

CREATE TRIGGER fku_category_category_rd_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par category) Nom de la contrainte: fku_category_category_rd_category_id_id') WHERE NEW.rd_category_id!=0 AND NEW.rd_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rd_category_id) IS NULL; END;

CREATE TRIGGER fkdc_category_category_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN DELETE FROM category WHERE category.rd_category_id = OLD.id; END;

CREATE TRIGGER fki_doctransactionitem_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON
doctransactionitem FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionitem)
Nom de la contrainte: fki_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER 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 utilisé par doctransactionitem)
Nom de la contrainte: fku_doctransactionitem_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER fkdc_doctransaction_doctransactionitem_id_rd_doctransaction_id BEFORE DELETE ON doctransaction FOR EACH ROW BEGIN DELETE FROM doctransactionitem WHERE doctransactionitem.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id BEFORE INSERT ON doctransactionmsg FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (doctransaction est utilisé par doctransactionmsg)
Nom de la contrainte: fki_doctransactionmsg_doctransaction_rd_doctransaction_id_id') WHERE NEW.rd_doctransaction_id!=0 AND NEW.rd_doctransaction_id!="" AND (SELECT id FROM doctransaction WHERE id = NEW.rd_doctransaction_id) IS NULL; END;
CREATE TRIGGER 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 utilisé 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_doctransaction_doctransactionmsg_id_rd_doctransaction_id BEFORE DELETE ON doctransactionmsg FOR EACH ROW BEGIN DELETE FROM doctransactionmsg WHERE doctransactionmsg.rd_doctransaction_id = OLD.id; END;
CREATE TRIGGER fki_interest_account_rd_account_id_id BEFORE INSERT ON interest FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilisé par interest)
Nom de la contrainte: fki_interest_account_rd_account_id_id') WHERE NEW.rd_account_id!=0 AND NEW.rd_account_id!="" AND (SELECT id FROM account WHERE id = NEW.rd_account_id) IS NULL; END;
CREATE TRIGGER 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 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_rd_account_id BEFORE DELETE ON account FOR EACH ROW BEGIN DELETE FROM interest WHERE interest.rd_account_id = OLD.id; END;
CREATE TRIGGER fki_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est 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 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 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_rd_node_id BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM node WHERE node.rd_node_id = OLD.id; END;
CREATE TRIGGER fki_operation_account_rd_account_id_id BEFORE INSERT ON operation FOR EACH ROW BEGIN
   SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (account est utilis par operation)
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 FOR EACH ROW BEGIN
   DELETE FROM operation WHERE operation.rd_account_id = OLD.id; 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 utilis 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 utilis 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 utilis 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 fkdc_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
   DELETE FROM recurrentoperation WHERE recurrentoperation.r_recurrentoperation_id = OLD.id; 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 utilis 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 utilis par operationbalance)
Nom de la contrainte: fki_operationbalance_operation_r_operation_id_id')
WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!="" AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;
CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance
FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par operationbalance)
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 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_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 fku_suboperation_operation_rd_operation_id_id BEFORE UPDATE ON suboperation
FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (operation est utilis par suboperation)
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_suboperation_category_r_category_id_id BEFORE DELETE ON suboperation
FOR EACH ROW BEGIN
DELETE FROM suboperation WHERE suboperation.category.r_category_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON category
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 fku_suboperation_category_r_category_id_id BEFORE UPDATE ON category
FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis 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 suboperation
FOR EACH ROW BEGIN
DELETE FROM suboperation WHERE suboperation.category.r_category_id = OLD.id; END;
CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON category
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 fku_suboperation_category_r_category_id_id BEFORE UPDATE ON category
FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis 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;
EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilis 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 fkd_suboperation_category_r_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN UPDATE suboperation SET r_category_id=0 WHERE r_category_id=OLD.id; END;
CREATE TRIGGER fki_suboperation_refund_r_refund_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (refund est utilis par 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 utilis 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 fkd_suboperation_refund_r_refund_id_id BEFORE DELETE ON refund FOR EACH ROW BEGIN UPDATE suboperation SET r_refund_id=0 WHERE r_refund_id=OLD.id; END;
CREATE TRIGGER fki_unit_unit_rd_unit_id_id BEFORE INSERT ON unit FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (unit est utilis par unit)

Nom de la contrainte: fki_unit_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fku_unit_unit_rd_unit_id_id BEFORE UPDATE ON unit FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unit)

Nom de la contrainte: fku_unit_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fkdc_unit_unit_id_rd_unit_id BEFORE DELETE ON unit FOR EACH ROW BEGIN DELETE FROM unit WHERE unit.rd_unit_id = OLD.id; END;
CREATE TRIGGER fki_unitvalue_unit_rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d'ajouter un objet (unit est utilis par unitvalue)

Nom de la contrainte: fki_unitvalue_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fku_unitvalue_unit_rd_unit_id_id BEFORE UPDATE ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (unit est utilis par unitvalue)

Nom de la contrainte: fku_unitvalue_unit_rd_unit_id_id') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;
CREATE TRIGGER fkdc_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 fkdc_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de dtiruire un objet (category est utilis par vm_budget_tmp)

Nom de la contrainte: fkdc_category_vm_category_display_tmp_id_rd_category_id_id') WHERE (SELECT rc_category_id FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_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

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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_unit 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 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_displayname AS SELECT *, t_name AS t_displayname FROM bank;
CREATE VIEW v_bank_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 *, tFullName 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)||'-'||t_displayname AS t_displayname FROM v_recurrentoperation;
CREATE VIEW v_unitvalue_display AS SELECT *,IFNULL((SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=(SELECT s2.rd_unit_id FROM unit s2 WHERE s2.id=unitvalue.rd_unit_id)),'') AS t_UNIT,STRFTIME('%Y-%m',unitvalue.d_date) AS d_DATEMONTH,STRFTIME('%Y',unitvalue.d_date) AS d_DATEYEAR FROM unitvalue;
CREATE VIEW v_suboperation_display AS SELECT *,IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=v_suboperation.r_category_id),'') AS t_CATEGORY, IFNULL((SELECT s.t_name FROM refund s WHERE s.id=v_suboperation.r_refund_id),'') AS t_REFUND, (CASE WHEN v_suboperation.f_value>=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_INCOME, (CASE WHEN v_suboperation.f_value<=0 THEN v_suboperation.f_value ELSE 0 END) AS f_VALUE_EXPENSE FROM v_suboperation;
CREATE VIEW v_suboperation_displayname AS SELECT *, t_CATEGORY||' : '||f_value AS t_displayname FROM v_suboperation_display;
CREATE VIEW v_operation_display_all AS SELECT *,(SELECT s.t_name FROM account s WHERE s.id=v_operation.rd_account_id) AS t_ACCOUNT,(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_UNIT,(SELECT s.t_CATEGORY FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_CATEGORY,(SELECT s.t_REFUND FROM v_suboperation_display s WHERE s.id=v_operation.i_MOSTIMPSUBOP) AS t_REFUND,(CASE WHEN v_operation.f_QUANTITY<0 THEN '-' WHEN v_operation.f_QUANTITY=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN v_operation.f_QUANTITY<=0 THEN 'Dépense' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, STRFTIME('%Y-W%W',v_operation.d_date) AS d_DATEWEEK,STRFTIME('%Y-%m',v_operation.d_date) AS d_DATEMONTH,STRFTIME('%Y',v_operation.d_date)||'-Q'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='03' THEN '1' WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '2' WHEN STRFTIME('%m',v_operation.d_date)<='09' THEN '3' ELSE '4' END) AS d_DATEQUARTER,STRFTIME('%Y',v_operation.d_date)||'-S'||(CASE WHEN STRFTIME('%m',v_operation.d_date)<='06' THEN '1' ELSE '2' END) AS d_DATESEMESTER, STRFTIME('%Y',v_operation.d_date) AS d_DATEYEAR, (SELECT count(*) FROM v_recurrentoperation s WHERE s.rd_operation_id=v_operation.id) AS i_NBRECURRENT, (CASE WHEN v_operation.f_QUANTITY>=0 THEN v_operation.f_QUANTITY ELSE 0 END) AS f_QUANTITY_INCOME, (CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_QUANTITY ELSE 0 END) AS f_QUANTITY_EXPENSE, (SELECT o2.f_balance FROM operationbalance o2 WHERE o2.r_operation_id=v_operation.id ) AS f_BALANCE, (CASE WHEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_INCOME, (CASE WHEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_EXPENSE FROM v_operation;
CREATE VIEW v_operation_template_display AS SELECT * FROM v_operation_display_all WHERE t_template='Y';
CREATE VIEW v_operation_display AS SELECT * FROM v_operation_display_all WHERE d_date!='0000-00-
CREATE VIEW v_unit_display AS SELECT *,(SELECT TOTAL(o.f_QUANTITY) FROM v_operation_display o WHERE o.rc_unit_id=v_unit.id) AS f_QUANTITYOWNED FROM v_unit;
CREATE VIEW v_account_display AS SELECT (CASE t_type WHEN 'C' THEN 'Courant' WHEN 'D' THEN 'Carte de crédit' WHEN 'A' THEN 'Actif' WHEN 'I' THEN 'Investissement' WHEN 'W' THEN 'Portefeuille' WHEN 'L' THEN 'Prêt' WHEN 'O' THEN 'Autre' END) AS t_TYPENLS,bank.t_name  AS t_BANK,bank.t_bank_number AS t_BANK_NUMBER,bank.t_icon AS t_ICON,v_account.*,(v_account.f_CURRENTAMOUNT/(SELECT u.f_CURRENTAMOUNT FROM v_unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00')) AS f_QUANTITY, (SELECT (CASE WHEN u.t_symbol!='' THEN u.t_symbol ELSE u.t_name END) FROM unit u, operation s WHERE u.id=s.rc_unit_id AND s.rd_account_id=v_account.id AND s.d_date='0000-00-00') AS t_UNIT, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status='N') AS f_CHECKED, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=v_account.id AND s.t_status='Y') AS f_TODAYAMOUNT, (SELECT count(*) FROM v_operation_display s WHERE s.rd_account_id=v_account.id) AS i_NBOPERATIONS, IFNULL((SELECT s.f_rate FROM interest s WHERE s.rd_account_id=v_account.id AND s.d_date=v_account.d_MAXDATE),0) AS f_RATE FROM v_account, bank WHERE bank.id=v_account.rd_bank_id;
CREATE VIEW v_operation_consolidated AS SELECT (SELECT s.t_TYPENLS FROM v_account_display s WHERE s.id=op.rd_account_id) AS t_ACCOUNTTYPE,(SELECT u.t_TYPENLS FROM v_unit u WHERE u.id=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.t_CATEGORY AS t_REALCATEGORY, sop.t realREFUND 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 autorisés à supprimer ce suiveur car utilisé par des opérations rapprochées' END) t_delete_message FROM refund;
CREATE VIEW v_refund AS SELECT *, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS f_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 refund;
CREATE VIEW v_refund_displayname AS SELECT*, t_name AS t_displayname FROM refund;
CREATE VIEW v_payee_delete AS SELECT*, (CASE WHEN EXISTS(SELECT 1 FROM v_operation_consolidated WHERE r_payee_id=payee.id AND t_status='Y') THEN 'Vous n’êtes pas autorisés à supprimer ce payeur 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 *, 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 supprimer cette catégorie car elle est utilisée par des opérations rapprochées' END) t_delete_message FROM category;

CREATE VIEW v_category_display AS SELECT *,f_REALCURRENTAMOUNT+(SELECT TOTAL(c.f_REALCURRENTAMOUNT) FROM vm_category_display tmp c WHERE c.t_fullname LIKE vm_category_display tmp.t_fullname||' > %') AS f_SUMCURRENTAMOUNT, i_NBOPERATIONS+(SELECT CAST(TOTAL(c.i_NBOPERATIONS) AS INTEGER) FROM vm_category_display tmp c WHERE c.t_fullname LIKE vm_category_display tmp.t_fullname||' > %') AS i_SUMNBOPERATIONS, (CASE WHEN t_bookmarked='Y' THEN 'Y' WHEN EXISTS(SELECT 1 FROM category c WHERE c.t_bookmarked='Y' AND c.t_fullname like vm_category_display tmp.t_fullname||' > %') THEN 'C' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD,

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)||' %' AS t_displayname FROM interest;

CREATE VIEW v_budgetrule AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),'') AS t_CATEGORYCONDITION, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id_target),'') AS t_CATEGORY, (CASE WHEN budgetrule.i_condition=-1 THEN 'Negatif' WHEN budgetrule.i_condition=1 THEN 'Positif' WHEN budgetrule.i_condition=0 THEN 'Tous' END) AS t_WHENNLS, f_quantity||(CASE WHEN budgetrule.t_absolute='N' THEN '%' ELSE (SELECT t_symbol FROM unit WHERE t_type='1') END) AS t_WHATNLS,(CASE WHEN budgetrule.t_rule='N' THEN 'Suivant' WHEN budgetrule.t_rule='C' THEN 'Courant' WHEN budgetrule.t_rule='Y' THEN 'Anne' END) AS t_RULENLS FROM budgetrule;

CREATE VIEW v_budgetrule_display AS SELECT *  FROM v_budgetrule;

CREATE VIEW v_budgetrule_displayname AS SELECT *, t_WHENNLS||' '||t_WHATNLS||' '||t_RULENLS||' '||t_DISPLAYNAME||' '||t_EXPLANATION FROM v_budgetrule;
CREATE VIEW v_budgetrule 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 "0" WHEN i_month<10 THEN '0'||i_month ELSE '-'||i_month END)) AS t_PERIOD, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.i_IDCATEGORY IN (SELECT b2.id_category FROM budgetcategory b2 WHERE b2.id=budget.id)) AS f_CURRENTAMOUNT, (SELECT GROUP_CONCAT(v_budgetrule_displayname.t_displayname,',') FROM v_budgetrule_displayname WHERE (v_budgetrule_displayname.t_year_condition='N' OR budget.i_year=v_budgetrule_displayname.i_year) AND (v_budgetrule_displayname.t_month_condition='N' OR budget.i_month=v_budgetrule_displayname.i_month) AND (v_budgetrule_displayname.t_category_condition='N' OR budget.rc_category_id=v_budgetrule_displayname.rc_category_id) ORDER BY v_budgetrule_displayname.t_absolute DESC, v_budgetrule_displayname.id) AS t_RULES FROM budget;
CREATE VIEW v_budget AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM v_budget_tmp;
CREATE VIEW v_budget_display AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM vm_budget_tmp;
CREATE VIEW v_budget_displayname AS SELECT *, t_CATEGORY||' '||t_PERIOD||' '||f_budgeted_modified AS t_displayname FROM v_budget;
CREATE TRIGGER fkdc_bank_parameters_uuid BEFORE DELETE ON bank FOR EACH ROW BEGIN
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_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:FeedElement" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER, "mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER, "mfo:downloadedTime:localDate" INTEGER, "mfo:downloadedTime:localTime" INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL, "mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph" INTEGER);
CREATE TABLE "mfo:FeedType" (ID INTEGER NOT NULL PRIMARY KEY, "mfo:name" TEXT COLLATE NOCASE, "mfo:name:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID INTEGER NOT NULL, "mlo:bbNorthWest" INTEGER NOT NULL, "mlo:bbNorthWest:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID INTEGER NOT NULL, "mlo:bbSouthEast" INTEGER NOT NULL, "mlo:bbSouthEast:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL, "mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL, "mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL, "mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL,
"mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL,
"mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL,
"mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp:graph" INTEGER,
"mlo:timestamp:localDate" INTEGER NOT NULL, "mlo:timestamp:localTime" INTEGER NOT NULL);
CREATE TABLE "mlo:GeoSphere" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoSphere_mlo:radius" (ID INTEGER NOT NULL,
"mlo:radius" REAL NOT NULL, "mlo:radius:graph" INTEGER);
CREATE TABLE "mlo:Landmark" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LandmarkCategory_mlo:isRemovable" (ID INTEGER NOT NULL, "mlo:isRemovable" INTEGER NOT NULL, "mlo:isRemovable:graph" INTEGER);
CREATE TABLE "mlo:Landmark_mlo:belongsToCategory" (ID INTEGER NOT NULL, "mlo:belongsToCategory" INTEGER NOT NULL, "mlo:belongsToCategory:graph" INTEGER);
CREATE TABLE "mlo:Landmark_mlo:poiLocation" (ID INTEGER NOT NULL, "mlo:poiLocation" INTEGER NOT NULL, "mlo:poiLocation:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID INTEGER NOT NULL, "mlo:boxEastLimit" INTEGER NOT NULL, "mlo:boxEastLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID INTEGER NOT NULL, "mlo:boxNorthLimit" INTEGER NOT NULL, "mlo:boxNorthLimit:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID INTEGER NOT NULL, "mlo:boxSouthWestCorner" INTEGER NOT NULL, "mlo:boxSouthWestCorner:graph" INTEGER);
CREATE TABLE "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID INTEGER NOT NULL, "mlo:boxVerticalLimit" INTEGER NOT NULL, "mlo:boxVerticalLimit:graph" INTEGER);
CREATE TABLE "mlo:PointOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:Route_mlo:endTime" (ID INTEGER NOT NULL, "mlo:endTime" INTEGER NOT NULL, "mlo:endTime:graph" INTEGER, "mlo:endTime:localDate" INTEGER NOT NULL, "mlo:endTime:localTime" INTEGER NOT NULL);
CREATE TABLE "mlo:Route_mlo:routeDetails" (ID INTEGER NOT NULL, "mlo:routeDetails" TEXT NOT NULL, "mlo:routeDetails:graph" INTEGER);
CREATE TABLE "mlo:Route_mlo:startTime" (ID INTEGER NOT NULL, "mlo:startTime" INTEGER NOT NULL, "mlo:startTime:graph" INTEGER, "mlo:startTime:localDate" INTEGER NOT NULL, "mlo:startTime:localTime" INTEGER NOT NULL);
CREATE TABLE "mto:DownloadTransfer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:State" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mto:SyncTransfer" (ID INTEGER NOT NULL PRIMARY KEY);


CREATE TABLE "mto: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);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>ncal:Attachment</code></td>
<td>Table for storing attachment data.</td>
</tr>
<tr>
<td><code>ncal:AttachmentEncoding</code></td>
<td>Table for storing encoding data.</td>
</tr>
<tr>
<td><code>ncal:Attendee</code></td>
<td>Table for storing attendee data.</td>
</tr>
<tr>
<td><code>ncal:AttendeeOrOrganizer</code></td>
<td>Table for storing attendee or organizer data.</td>
</tr>
<tr>
<td><code>ncal:AttendeeRole</code></td>
<td>Table for storing attendee role data.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart</code></td>
<td>Table for storing byday rule part data.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart_ncal:bydayModifier</code></td>
<td>Table for storing byday modifier data.</td>
</tr>
<tr>
<td><code>ncal:BydayRulePart_ncal:bydayWeekday</code></td>
<td>Table for storing byday weekday data.</td>
</tr>
<tr>
<td><code>ncal:Calendar</code></td>
<td>Table for storing calendar data.</td>
</tr>
<tr>
<td><code>ncal:CalendarDataObject</code></td>
<td>Table for storing calendar data object.</td>
</tr>
<tr>
<td><code>ncal:CalendarScale</code></td>
<td>Table for storing calendar scale data.</td>
</tr>
<tr>
<td><code>ncal:CalendarUserType</code></td>
<td>Table for storing calendar user type data.</td>
</tr>
<tr>
<td><code>ncal:Calendar_ncal:component</code></td>
<td>Table for storing calendar component data.</td>
</tr>
<tr>
<td><code>ncal:Event</code></td>
<td>Table for storing event data.</td>
</tr>
<tr>
<td><code>ncal:EventStatus</code></td>
<td>Table for storing event status data.</td>
</tr>
<tr>
<td><code>ncal:Freebusy</code></td>
<td>Table for storing freebusy data.</td>
</tr>
<tr>
<td><code>ncal:FreebusyPeriod</code></td>
<td>Table for storing freebusy period data.</td>
</tr>
<tr>
<td><code>ncal:FreebusyType</code></td>
<td>Table for storing freebusy type data.</td>
</tr>
<tr>
<td><code>ncal:Journal</code></td>
<td>Table for storing journal data.</td>
</tr>
</tbody>
</table>

Example SQL CREATE TABLE statements:

```sql
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, "ncal:dir" INTEGER, "ncal:dir:graph" INTEGER,
"ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER,
"ncal:sentBy" INTEGER, "ncal:sentBy:graph" INTEGER);
CREATE TABLE "ncal:AttendeeRole" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:BydayRulePart" (ID INTEGER NOT NULL PRIMARY KEY);
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:Calendar" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:method" TEXT COLLATE NOCASE, "ncal:method:graph" INTEGER,
"ncal:calscale" INTEGER, "ncal:calscale:graph" INTEGER, "ncal:prodid"
TEXT COLLATE NOCASE, "ncal:prodid:graph" INTEGER, "ncal:version" TEXT
COLLATE NOCASE, "ncal:version: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);```
"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,
"ncal:relatedToSibling:graph" INTEGER, "ncal:duration"
"ncal:duration:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attach" (ID INTEGER NOT NULL,
"ncal:attach" INTEGER NOT NULL, "ncal:attach:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attendee" (ID INTEGER NOT
NULL, "ncal:attendee" INTEGER NOT NULL, "ncal:attendee:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:categories" (ID INTEGER NOT
NULL, "ncal:categories" TEXT NOT NULL, "ncal:categories:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exdate" (ID INTEGER NOT NULL,
"ncal:exdate" INTEGER NOT NULL, "ncal:exdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exrule" (ID INTEGER NOT NULL,
"ncal:exrule" INTEGER NOT NULL, "ncal:exrule:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:hasAlarm" (ID INTEGER NOT
NULL, "ncal:hasAlarm" INTEGER NOT NULL, "ncal:hasAlarm:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:ncalRelation" (ID INTEGER NOT
NULL, "ncal:ncalRelation" TEXT NOT NULL, "ncal:ncalRelation:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rrule" (ID INTEGER NOT NULL,
"ncal:rrule" INTEGER NOT NULL, "ncal:rrule:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToChild" (ID INTEGER
NOT NULL, "ncal:relatedToChild" TEXT NOT NULL,
"ncal:relatedToChild:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToParent" (ID INTEGER
NOT NULL, "ncal:relatedToParent" TEXT NOT NULL,
"ncal:relatedToParent:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:resources" (ID INTEGER NOT
NULL, "ncal:resources" TEXT NOT NULL, "ncal:resources:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rrule" (ID INTEGER NOT NULL,
"ncal:rrule" INTEGER NOT NULL, "ncal:rrule:graph" INTEGER);
CREATE TABLE "ncal:Weekday" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Affiliation" (ID INTEGER NOT NULL PRIMARY KEY, "nco:department" TEXT COLLATE NOCASE, "nco:department:graph" INTEGER, "nco:org" INTEGER, "nco:org:graph" INTEGER, "nco:role" TEXT COLLATE NOCASE, "nco:role:graph" INTEGER);
CREATE TABLE "nco:Affiliation_nco:title" (ID INTEGER NOT NULL, "nco:title" TEXT NOT NULL, "nco:title:graph" INTEGER);
CREATE TABLE "nco:AuthorizationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco: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, "scal:birthday" INTEGER NOT NULL, "scal: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_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" (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:imPresenceLastModified" INTEGER,
"nco:imPresenceLastModified:graph" INTEGER,
"nco:imPresenceLastModified:localDate" INTEGER,
"nco:imPresenceLastModified: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"
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PresenceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Role" (ID INTEGER NOT NULL PRIMARY KEY, "nco:video" INTEGER, "nco:video:graph" INTEGER);
CREATE TABLE "nco:Role_nco:blogUrl" (ID INTEGER NOT NULL, "nco:blogUrl" INTEGER NOT NULL, "nco:blogUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:foafUrl" (ID INTEGER NOT NULL, "nco:foafUrl" INTEGER NOT NULL, "nco:foafUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasContactMedium" (ID INTEGER NOT NULL, "nco:hasContactMedium" INTEGER NOT NULL, "nco:hasContactMedium:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasEmailAddress" (ID INTEGER NOT NULL, "nco:hasEmailAddress" INTEGER NOT NULL, "nco:hasEmailAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasIMAddress" (ID INTEGER NOT NULL, "nco:hasIMAddress" INTEGER NOT NULL, "nco:hasIMAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPhoneNumber" (ID INTEGER NOT NULL, "nco:hasPhoneNumber" INTEGER NOT NULL, "nco:hasPhoneNumber:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasPostalAddress" (ID INTEGER NOT NULL, "nco:hasPostalAddress" INTEGER NOT NULL, "nco:hasPostalAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:url" (ID INTEGER NOT NULL, "nco:url" INTEGER NOT NULL, "nco:url:graph" INTEGER);
CREATE TABLE "nco:Role_nco:websiteUrl" (ID INTEGER NOT NULL, "nco:websiteUrl" INTEGER NOT NULL, "nco:websiteUrl:graph" INTEGER);
CREATE TABLE "nco:VideoTelephoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:VoicePhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY,
  "nco:voiceMail" INTEGER, "nco:voiceMail:graph" INTEGER);
CREATE TABLE "nfo: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,
  "nfo:sampleCount" INTEGER, "nfo:sampleCount:graph" INTEGER,
  "nfo:bitsPerSample" INTEGER, "nfo:bitsPerSample:graph" INTEGER,
  "nfo:frontChannels" INTEGER, "nfo:frontChannels:graph" INTEGER,
  "nfo:rearChannels" INTEGER, "nfo:rearChannels:graph" INTEGER,
  "nfo:sampleRate" REAL, "nfo:sampleRate:graph" INTEGER,
  "nfo:averageAudioBitrate" REAL, "nfo:averageAudioBitrate:graph" INTEGER,
  "nfo:frontChannels" INTEGER, "nfo:frontChannels:graph" INTEGER,
  "nfo:gain" INTEGER, "nfo:gain:graph" INTEGER, "nfo:peakGain" INTEGER,
  "nfo:peakGain:graph" INTEGER, "nfo:audioOffset" REAL,
  "nfo:audioOffset:graph" INTEGER);
CREATE TABLE "nfo:Bookmark" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:bookmarks" INTEGER, "nfo:bookmarks:graph" INTEGER,
  "nfo:characterPosition" INTEGER, "nfo:characterPosition:graph" INTEGER,
  "nfo:pageNumber" INTEGER, "nfo:pageNumber:graph" INTEGER,
  "nfo:streamPosition" INTEGER, "nfo:streamPosition:graph" INTEGER,
  "nfo:streamDuration" INTEGER, "nfo:streamDuration: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);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL,
  "nfo:originalLocation" TEXT COLLATE NOCASE,
  "nfo:originalLocation:graph" INTEGER, "nfo:deletionDate" INTEGER,
  "nfo:deletionDate:graph" INTEGER, "nfo:deletionDate:localDate" INTEGER,
  "nfo:deletionDate:localTime" INTEGER);
CREATE TABLE "nfo:Document" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:tableOfContents" TEXT COLLATE NOCASE,
  "nfo:tableOfContents:graph" INTEGER);

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<table>
<thead>
<tr>
<th>Tables</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>nfo:EmbeddedFileDataObject</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:encoding&quot; TEXT COLLATE NOCASE, &quot;nfo:encoding:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Equipment</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:manufacturer&quot; TEXT COLLATE NOCASE, &quot;nfo:manufacturer:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:EmbedStaticFileDataObject</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:encoding&quot; TEXT COLLATE NOCASE, &quot;nfo:encoding:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Executable</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:FileHash</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:hashValue&quot; TEXT COLLATE NOCASE, &quot;nfo:hashValue:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Filesystem</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:FilesystemImage</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:Folder</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:Font</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:fontFamily&quot; TEXT COLLATE NOCASE, &quot;nfo:fontFamily:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:HardDiskPartition</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:HelpDocument</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:HtmlDocument</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:Icon</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY</td>
</tr>
<tr>
<td><code>nfo:Image</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:verticalResolution&quot; INTEGER, &quot;nfo:verticalResolution:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Image_nfo:depicts</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:depicts&quot; INTEGER, &quot;nfo:depicts:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Image_nfo:hasRegionOfInterest</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:hasRegionOfInterest&quot; INTEGER, &quot;nfo:hasRegionOfInterest:graph&quot;</td>
</tr>
<tr>
<td><code>nfo:Media</code></td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nfo:count&quot; INTEGER, &quot;nfo:duration&quot; INTEGER</td>
</tr>
</tbody>
</table>
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: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:height" INTEGER,
  "nfo:height:graph" INTEGER, "nfo:width" INTEGER, "nfo:width:graph" INTEGER,
  "nfo:colorDepth" INTEGER, "nfo:colorDepth: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: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:MusicAlbumDisc" (ID INTEGER NOT NULL PRIMARY KEY, "nmm:albumDiscAlbum" INTEGER, "nmm:albumDiscAlbum:graph" INTEGER, "nmm:musicCDIdentifier" TEXT COLLATE NOCASE, "nmm:musicCDIdentifier:graph" INTEGER, "nmm:setNumber" INTEGER, "nmm:setNumber:graph" INTEGER);
CREATE TABLE "nmm:MusicAlbum_nmm:albumArtist" (ID INTEGER NOT NULL, "nmm:albumArtist" INTEGER NOT NULL, "nmm:albumArtist:graph" INTEGER);
CREATE TABLE "nmm:MusicPiece_nmm:lyrics" (ID INTEGER NOT NULL, "nmm:lyrics" INTEGER NOT NULL, "nmm:lyrics:graph" INTEGER);
CREATE TABLE "nmm:Playlist" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioModulation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmm:RadioStation" (ID INTEGER NOT NULL PRIMARY KEY,
"nmm:radioIcon" INTEGER, "nmm:radioIcon:graph" INTEGER, "nmm:radioPTY" INTEGER, "nmm:radioPTY:graph" INTEGER);
CREATE TABLE "nmm:RadioStation_nmm:carrier" (ID INTEGER NOT NULL,
"nmm:carrier" INTEGER NOT NULL, "nmm:carrier:graph" INTEGER);
CREATE TABLE "nmm:SynchronizedText" (ID INTEGER NOT NULL PRIMARY KEY,
"nmm:isForHearingImpaired" INTEGER, "nmm:isForHearingImpaired:graph" INTEGER);
CREATE TABLE "nmm:Video" (ID INTEGER NOT NULL PRIMARY KEY,
"nmm:videoAlbum" INTEGER, "nmm:videoAlbum:graph" INTEGER, 
"nmm:isSeries" INTEGER, "nmm:isSeries:graph" INTEGER, "nmm:season" INTEGER, 
"nmm:season:graph" INTEGER, "nmm:episodeNumber" INTEGER, 
"nmm:episodeNumber:graph" INTEGER, "nmm:runTime" INTEGER, 
"nmm:runTime:graph" INTEGER, "nmm: synopsis" TEXT COLLATE NOCASE, 
"nmm: synopsis:graph" INTEGER, "nmm:MPAA Rating" TEXT COLLATE NOCASE, 
"nmm:MPAA Rating:graph" INTEGER, "nmm: category" TEXT COLLATE NOCASE, 
"nmm: category:graph" INTEGER, "nmm: producedBy" INTEGER, 
"nmm: hasSubtitle" INTEGER, "nmm: hasSubtitle:graph" INTEGER, 
"nmm: isContentEncrypted" INTEGER, 
"nmm: isContentEncrypted:graph" INTEGER, "mtp: fourCC" TEXT COLLATE NOCASE, 
"mtp: fourCC:graph" INTEGER, "mtp: waveformat" TEXT COLLATE NOCASE, 
"mtp: waveformat:graph" INTEGER);
CREATE TABLE "nmm:Video_mtp:scantype" (ID INTEGER NOT NULL, 
"mtp:scantype" INTEGER NOT NULL, "mtp:scantype:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL, 
"nmm:director" INTEGER NOT NULL, "nmm:director:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL, 
"nmm:leadActor" INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL, 
"nmm:subtitle" INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER);
CREATE TABLE "nmm:WhiteBalance" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Call" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, 
"nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, 
"nmo:duration" INTEGER, "nmo:duration:graph" INTEGER);
CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY KEY, 
"nmo:lastMessageDate" INTEGER, "nmo:lastMessageDate:graph" INTEGER, 
"nmo:lastMessageDate:localDate" INTEGER, 
"nmo:lastMessageDate:localTime" INTEGER, 
"nmo:lastSuccessfulMessageDate" INTEGER, 
"nmo:lastSuccessfulMessageDate:graph" INTEGER, 
"nmo:lastSuccessfulMessageDate:localDate" INTEGER,
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>nmo:MessageHeader</code></td>
<td>Table for message headers</td>
</tr>
<tr>
<td><code>nmo:bcc</code></td>
<td>Table for BCC recipients</td>
</tr>
<tr>
<td><code>nmo:cc</code></td>
<td>Table for CC recipients</td>
</tr>
<tr>
<td><code>nmo:hasAttachment</code></td>
<td>Table for messages with attachments</td>
</tr>
<tr>
<td><code>nmo:inReplyTo</code></td>
<td>Table for replies to messages</td>
</tr>
<tr>
<td><code>nmo:messageHeader</code></td>
<td>Table for message headers</td>
</tr>
<tr>
<td><code>nmo:recipient</code></td>
<td>Table for recipients</td>
</tr>
<tr>
<td><code>nmo:references</code></td>
<td>Table for references</td>
</tr>
<tr>
<td><code>nmo:to</code></td>
<td>Table for recipients</td>
</tr>
<tr>
<td><code>nmo:MimePart</code></td>
<td>Table for MIME parts</td>
</tr>
<tr>
<td><code>nmo:MimePart_mimeHeader</code></td>
<td>Table for MIME headers</td>
</tr>
<tr>
<td><code>nmo:Multipart</code></td>
<td>Table for multipart messages</td>
</tr>
<tr>
<td><code>nmo:partBoundary</code></td>
<td>Table for part boundaries</td>
</tr>
<tr>
<td><code>nmo:PermanentChannel</code></td>
<td>Table for permanent channels</td>
</tr>
<tr>
<td><code>nmo:PhoneMessage</code></td>
<td>Table for phone messages</td>
</tr>
<tr>
<td><code>nmo:fromVCard</code></td>
<td>Table for phone messages from VCard</td>
</tr>
<tr>
<td><code>nmo:encoding</code></td>
<td>Table for encoding of messages</td>
</tr>
<tr>
<td><code>nmo:phoneMessageId</code></td>
<td>Table for phone message ID</td>
</tr>
</tbody>
</table>

**Table Examples**

- **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: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 "scal:Attendee_scal:delegated-to" (ID INTEGER NOT NULL, "scal:delegated-to" INTEGER NOT NULL, "scal:delegated-to:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:member" (ID INTEGER NOT NULL, "scal:member" INTEGER NOT NULL, "scal:member:graph" INTEGER);
CREATE TABLE "scal:Attendee_scal:sent-by" (ID INTEGER NOT NULL, "scal:sent-by" INTEGER NOT NULL, "scal:sent-by:graph" INTEGER);
CREATE TABLE "scal:Calendar" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:CalendarAlarm" (ID INTEGER NOT NULL PRIMARY KEY, "scal:alarmOffset" INTEGER, "scal:alarmOffset:graph" INTEGER);
CREATE TABLE "scal:CalendarAlarm_scal:alarmAttendee" (ID INTEGER NOT NULL, "scal:alarmAttendee" INTEGER NOT NULL, "scal:alarmAttendee:graph" INTEGER);
CREATE TABLE "scal:CalendarItem_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,
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:completed" 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:Landmark" (ID INTEGER NOT NULL PRIMARY KEY, "slo:iconUrl" INTEGER, "slo:iconUrl:graph" INTEGER);
CREATE TABLE "slo:LandmarkCategory" (ID INTEGER NOT NULL PRIMARY KEY, "slo:isRemovable" INTEGER, "slo:isRemovable:graph" INTEGER, "slo:categoryIconUrl" INTEGER, "slo:categoryIconUrl:graph" INTEGER);
CREATE TABLE "slo:Landmark_slo:belongsToCategory" (ID INTEGER NOT NULL, "slo:belongsToCategory" INTEGER NOT NULL, "slo:belongsToCategory:graph" INTEGER);
CREATE TABLE "slo:Landmark_slo:hasContact" (ID INTEGER NOT NULL, "slo:hasContact" INTEGER NOT NULL, "slo:hasContact:graph" INTEGER);
CREATE TABLE "slo:Route" (ID INTEGER NOT NULL PRIMARY KEY, "slo:startTime" INTEGER, "slo:startTime:graph" INTEGER, "slo:startTime:localDate" INTEGER, "slo:startTime:localTime" INTEGER, "slo:endTime" INTEGER, "slo:endTime:graph" INTEGER, "slo:endTime:localDate" INTEGER, "slo:endTime:localTime" INTEGER);
CREATE TABLE "slo:Route_slo:routeDetails" (ID INTEGER NOT NULL, "slo:routeDetails" TEXT NOT NULL, "slo:routeDetails:graph" INTEGER);
CREATE TABLE "tracker:Namespace" (ID INTEGER NOT NULL PRIMARY KEY, "tracker:prefix" TEXT COLLATE NOCASE, "tracker:prefix:graph" INTEGER)
CREATE TABLE "tracker:Ontology" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "tracker:Volume" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:isMounted" INTEGER, "tracker:isMounted:graph" INTEGER,
"tracker:unmountDate" INTEGER, "tracker:unmountDate:graph" INTEGER,
"tracker:unmountDate:localDate" INTEGER,
"tracker:unmountDate:localTime" INTEGER, "tracker:mountPoint" INTEGER,
"tracker:isRemovable" INTEGER, "tracker:isRemovable:graph" INTEGER,
"tracker:isOptical" INTEGER, "tracker:isOptical:graph" INTEGER);
CREATE UNIQUE INDEX "mfo:FeedMessage_mfo:enclosureList_ID_ID" ON
"mfo:FeedMessage_mfo:enclosureList" (ID, "mfo:enclosureList");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbNorthWest_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbNorthWest" (ID, "mlo:bbNorthWest");
CREATE UNIQUE INDEX "mlo:GeoBoundingBox_mlo:bbSouthEast_ID_ID" ON
"mlo:GeoBoundingBox_mlo:bbSouthEast" (ID, "mlo:bbSouthEast");
CREATE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asBoundingBox_ID_ID" ON
"mlo:GeoLocation_mlo:asBoundingBox" ("mlo:asBoundingBox", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID" ON
"mlo:GeoLocation_mlo:asGeoPoint" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asGeoPoint_ID_ID" ON
"mlo:GeoLocation_mlo:asGeoPoint" ("mlo:asGeoPoint", ID);
CREATE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID" ON
"mlo:GeoLocation_mlo:asPostalAddress" (ID);
CREATE UNIQUE INDEX "mlo:GeoLocation_mlo:asPostalAddress_ID_ID" ON
"mlo:GeoLocation_mlo:asPostalAddress" ("mlo:asPostalAddress", ID);
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:address_ID_ID" ON
"mlo:GeoPoint_mlo:address" (ID, "mlo:address");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:altitude_ID_ID" ON
"mlo:GeoPoint_mlo:altitude" (ID, "mlo:altitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:city_ID_ID" ON
"mlo:GeoPoint_mlo:city" (ID, "mlo:city");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:country_ID_ID" ON
"mlo:GeoPoint_mlo:country" (ID, "mlo:country");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:latitude_ID_ID" ON
"mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:longitude_ID_ID" ON
"mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:state_ID_ID" ON
"mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:timestamp_ID_ID" ON
"mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE UNIQUE INDEX "mlo:GeoSphere_mlo:radius_ID_ID" ON
"mlo:GeoSphere_mlo:radius" (ID, "mlo:radius");
CREATE UNIQUE INDEX "mlo:LandmarkCategory_mlo:isRemovable_ID_ID" ON
"mlo:LandmarkCategory_mlo:isRemovable" (ID, "mlo:isRemovable");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:belongsToCategory_ID_ID" ON "mlo:Landmark_mlo:belongsToCategory" (ID, "mlo:belongsToCategory");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:poiLocation_ID_ID" ON "mlo:Landmark_mlo:poiLocation" (ID, "mlo:poiLocation");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxEastLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID, "mlo:boxEastLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxNorthLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID, "mlo:boxNorthLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxVerticalLimit_ID_ID" ON "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID, "mlo:boxVerticalLimit");
CREATE UNIQUE INDEX "mlo:Route_mlo:endTime_ID_ID" ON "mlo:Route_mlo:endTime" (ID, "mlo:endTime");
CREATE UNIQUE INDEX "mlo:Route_mlo:routeDetails_ID_ID" ON "mlo:Route_mlo:routeDetails" (ID, "mlo:routeDetails");
CREATE UNIQUE INDEX "mlo:Route_mlo:startTime_ID_ID" ON "mlo:Route_mlo:startTime" (ID, "mlo:startTime");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferList_ID_ID" ON "mto:Transfer_mto:transferList" (ID, "mto:transferList");
CREATE UNIQUE INDEX "mto:Transfer_mto:transferPrivacyLevel_ID_ID" ON "mto:Transfer_mto:transferPrivacyLevel" (ID, "mto:transferPrivacyLevel");
CREATE UNIQUE INDEX "mto:UploadTransfer_mto:transferCategory_ID_ID" ON "mto:UploadTransfer_mto:transferCategory" (ID, "mto:transferCategory");
CREATE UNIQUE INDEX "nao:Tag_tracker:isDefaultTag_ID_ID" ON "nao:Tag_tracker:isDefaultTag" (ID, "tracker:isDefaultTag");
CREATE UNIQUE INDEX "nao:Tag_tracker:tagRelatedTo_ID_ID" ON "nao:Tag_tracker:tagRelatedTo" (ID, "tracker:tagRelatedTo");
CREATE UNIQUE INDEX "ncal:Alarm_ncal:action_ID_ID" ON "ncal:Alarm_ncal:action" (ID, "ncal:action");
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayModifier_ID_ID" ON "ncal:BydayRulePart_ncal:bydayModifier" (ID, "ncal:bydayModifier");
CREATE UNIQUE INDEX "ncal:Calendar_ncal:component_ID_ID" ON "ncal:Calendar_ncal:component" (ID, "ncal:component");
CREATE UNIQUE INDEX "ncal:Freebusy_ncal:freebusy_ID_ID" ON "ncal:Freebusy_ncal:freebusy" (ID, "ncal:freebusy");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday_ID_ID" ON "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byhour_ID_ID" ON "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byminute_ID_ID" ON "ncal:RecurrenceRule_ncal:byminute" (ID, "ncal:byminute");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonth_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonthday_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysecond_ID_ID" ON "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysetpos_ID_ID" ON "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno_ID_ID" ON "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday_ID_ID" ON "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach_ID_ID" ON "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee_ID_ID" ON "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories_ID_ID" ON "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate_ID_ID" ON "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exrule_ID_ID" ON "ncal:UnionParentClass_ncal:exrule" (ID, "ncal:exrule");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:hasAlarm_ID_ID" ON "ncal:UnionParentClass_ncal:hasAlarm" (ID, "ncal:hasAlarm");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:ncalRelation_ID_ID" ON "ncal:UnionParentClass_ncal:ncalRelation" (ID, "ncal:ncalRelation");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule_ID_ID" ON "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule");
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_nc:belongsToGroup_ID_ID" ON
  "nco:Contact_nc:belongsToGroup" (ID, "nc:belongsToGroup");
CREATE UNIQUE INDEX "nco:Contact_nc:note_ID_ID" ON
  "nco:Contact_nc:note" (ID, "nc: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_nc:hasIMContact_ID_ID" ON
  "nco:IMAccount_nc:hasIMContact" (ID, "nc:hasIMContact");
CREATE UNIQUE INDEX "nco:IMAddress_nc:imCapability_ID_ID" ON
  "nco:IMAddress_nc:imCapability" (ID, "nc:imCapability");
CREATE UNIQUE INDEX "nco:PersonContact_nc:hasAffiliation_ID_ID" ON
  "nco:PersonContact_nc:hasAffiliation" (ID, "nc:hasAffiliation");
CREATE INDEX "nco:PersonContact_nc:nameFamily" ON "nco:PersonContact"
  ("nc:nameFamily");
CREATE INDEX "nco:PhoneNumber_nc:phoneNumber" ON "nco:PhoneNumber"
  ("nc:phoneNumber");
CREATE UNIQUE INDEX "nco:Role_nc:blogUrl_ID_ID" ON
  "nco:Role_nc:blogUrl" (ID, "nc:blogUrl");
CREATE UNIQUE INDEX "nco:Role_nc:foafUrl_ID_ID" ON
  "nco:Role_nc:foafUrl" (ID, "nc:foafUrl");
CREATE UNIQUE INDEX "nco:Role_nc:hasContactMedium_ID_ID" ON
  "nco:Role_nc:hasContactMedium" (ID, "nc:hasContactMedium");
CREATE INDEX "nco:Role_nc:hasEmailAddress_ID" ON
  "nco:Role_nc:hasEmailAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nc:hasEmailAddress_ID_ID" ON
  "nco:Role_nc:hasEmailAddress" ("nc:hasEmailAddress", ID);
CREATE UNIQUE INDEX "nco:Role_nc:hasIMAddress_ID_ID" ON
  "nco:Role_nc:hasIMAddress" (ID, "nc:hasIMAddress");
CREATE UNIQUE INDEX "nco:Role_nc:hasPhoneNumber_ID_ID" ON
  "nco:Role_nc:hasPhoneNumber" (ID, "nc:hasPhoneNumber");
CREATE INDEX "nco:Role_nc:hasPostalAddress_ID" ON
  "nco:Role_nc:hasPostalAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nc:hasPostalAddress_ID_ID" ON
  "nco:Role_nc:hasPostalAddress" ("nc:hasPostalAddress", ID);
CREATE UNIQUE INDEX "nco:Role_nc:url_ID_ID" ON "nco:Role_nc:url" (ID, "nc:url");
CREATE UNIQUE INDEX "nco:Role_nc:websiteUrl_ID_ID" ON
  "nco:Role_nc:websiteUrl" (ID, "nc: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,
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: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" ("nmm:performer");
CREATE UNIQUE INDEX "nmm:RadioStation_nmm:carrier_ID_ID" ON "nmm:RadioStation_nmm:carrier" (ID, "nmm:carrier");
CREATE UNIQUE INDEX "nmm:Video_mtp:scantype_ID_ID" ON "nmm:Video_mtp:scantype" (ID, "mtp:scantype");
CREATE UNIQUE INDEX "nmm:Video_nmm:director_ID_ID" ON "nmm:Video_nmm:director" (ID, "nmm:director");
CREATE UNIQUE INDEX "nmm:Video_nmm:leadActor_ID_ID" ON "nmm:Video_nmm:leadActor" (ID, "nmm:leadActor");
CREATE UNIQUE INDEX "nmm:Video_nmm:subtitle_ID_ID" ON "nmm:Video_nmm:subtitle" (ID, "nmm:subtitle");
CREATE INDEX "nmo:Call_nmo:sentDate" ON "nmo:Call" ("nmo:sentDate");
CREATE INDEX "nmo:CommunicationChannel_nmo:hasParticipant_ID" ON "nmo:CommunicationChannel_nmo:hasParticipant" (ID);
CREATE UNIQUE INDEX "nmo:CommunicationChannel_nmo:hasParticipant_ID_ID" ON "nmo:CommunicationChannel_nmo:hasParticipant" (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, "nmo:containsPhoneMessageFolder");
CREATE UNIQUE INDEX "nmo:PhoneMessageFolder_nmo:containsPhoneMessage_ID_ID" ON "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID, "nmo:containsPhoneMessage");
CREATE UNIQUE INDEX "nmo:PhoneMessage_nmo:toVCard_ID_ID" ON "nmo:PhoneMessage_nmo:toVCard" (ID, "nmo:toVCard");
CREATE UNIQUE INDEX "rdf:Property_rdfs:subPropertyOf_ID_ID" ON "rdf:Property_rdfs:subPropertyOf" (ID, "rdfs:subPropertyOf");
CREATE UNIQUE INDEX "rdfs:Class_rdfs:subClassOf_ID_ID" ON "rdfs:Class_rdfs:subClassOf" (ID, "rdfs:subClassOf");
CREATE UNIQUE INDEX "rdfs:Class_tracker:domainIndex_ID_ID" ON "rdfs:Class_tracker:domainIndex" (ID, "tracker:domainIndex");
CREATE UNIQUE INDEX "rdfs:Resource_dc:contributor_ID_ID" ON "rdfs:Resource_dc:contributor" (ID, "dc:contributor");
CREATE UNIQUE INDEX "rdfs:Resource_dc:date_ID_ID" ON "rdfs:Resource_dc:date" (ID, "dc:date");
CREATE UNIQUE INDEX "rdfs:Resource_nao:deprecated_ID_ID" ON "rdfs:Resource_nao:deprecated" (ID, "nao:deprecated");
CREATE INDEX "rdfs:Resource_nao:hasTag_ID" ON "rdfs:Resource_nao:hasTag" (ID);
CREATE UNIQUE INDEX "rdfs:Resource_nao:hasTag_ID_ID" ON "rdfs:Resource_nao:hasTag" ("nao:hasTag", ID);
CREATE UNIQUE INDEX "rdfs:Resource_nao:isRelated_ID_ID" ON "rdfs:Resource_nao:isRelated" (ID, "nao:isRelated");
CREATE UNIQUE INDEX "rdfs:Resource_rdf:type_ID_ID" ON "rdfs:Resource_rdf:type" (ID, "rdf:type");
CREATE INDEX "rdfs:Resource_tracker:added" ON "rdfs:Resource" ("tracker:added");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-from_ID_ID" ON "scal:Attendee_scal:delegated-from" (ID, "scal:delegated-from");
CREATE UNIQUE INDEX "scal:Attendee_scal:delegated-to_ID_ID" ON "scal:Attendee_scal:delegated-to" (ID, "scal:delegated-to");
CREATE UNIQUE INDEX "scal:Attendee_scal:member_ID_ID" ON "scal:Attendee_scal:member" (ID, "scal:member");
CREATE UNIQUE INDEX "scal:Attendee_scal:sent-by_ID_ID" ON "scal:Attendee_scal:sent-by" (ID, "scal:sent-by");
CREATE UNIQUE INDEX "scal:CalendarAlarm_scal:alarmAttendee_ID_ID" ON "scal:CalendarAlarm_scal:alarmAttendee" (ID, "scal:alarmAttendee");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:access_ID_ID" ON "scal:CalendarItem_scal:access" (ID, "scal:access");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:attachment_ID_ID" ON "scal:CalendarItem_scal:attachment" (ID, "scal:attachment");
CREATE UNIQUE INDEX "scal:CalendarItem_scal: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: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 strftime('%s',"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")),
"nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE)||? COLLATE NOCASE)]] COALESCE((SELECT
"nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE))]] COALESCE((SELECT
"nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE))]] COALESCE((SELECT
"nco:imNickname" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ?) FROM (SELECT
"nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" AS
"2_u", "nco:Role_nco:hasIMAddress3"."nco:hasIMAddress" AS
"3_u" FROM "nco:PersonContact_nco:hasAffiliation2",
"nco:Role_nco:hasIMAddress3" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND
"nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" =
"nco:Role_nco:hasIMAddress3"."ID"), (SELECT
GROUP_CONCAT("2_u"||? COLLATE NOCASE)||? COLLATE NOCASE)]] (SELECT "nco:phoneNumber"
FROM "nco:PhoneNumber" WHERE ID = "4_u") COLLATE NOCASE, ?) FROM (SELECT "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation"
AS "2_u", "nco:Role_nco:hasPhoneNumber5"."nco:hasPhoneNumber" AS
"4_u" FROM "nco:PersonContact_nco:hasAffiliation4",
"nco: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)||? 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:hasAffiliation6",
"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)||? COLLATE NOCASE)]] (SELECT Uri FROM Resource WHERE ID =
"nco:blogUrl") ,") FROM "nco:Role_nco:blogUrl" WHERE ID =
"2_u") , ? COLLATE NOCASE)]] (SELECT Uri FROM Resource WHERE ID =
"nco:websiteUrl") ,") FROM "nco:Role_nco:websiteUrl" WHERE ID =
"2_u") , ? COLLATE NOCASE)]] (SELECT Uri FROM Resource WHERE ID = "nco:url") ,") FROM "nco:Role_nco:url" WHERE ID = "2_u") , ? COLLATE NOCASE),
"nco:PersonContact_nco:hasAffiliation8"."nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation" 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)||? COLLATE
NOCASE||COALESCE((SELECT "nco:department" FROM "nco:Affiliation"
WHERE ID = "2_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE
NOCASE||COALESCE((SELECT GROUP_CONCAT("nco:title",',') FROM
"nco:Affiliation_nco:title" WHERE ID = "2_u"), ? COLLATE NOCASE),
'u') FROM (SELECT
"nco:PersonContact_nco:hasAffiliation10","nco:hasAffiliation" AS
"2_u" FROM "nco:PersonContact_nco:hasAffiliation10" WHERE "1_u" =
"nco:PersonContact_nco:hasAffiliation10","ID")), (SELECT
GROUP_CONCAT("nco:note",',') FROM "nco:Contact_nco:note" WHERE ID
= "1_u"), (SELECT "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 = (SELECT "nco:addressLocation" FROM
"nco:PostalAddress" WHERE ID = "7_u")), ? COLLATE NOCASE)||?
COLLATE NOCASE||COALESCE((SELECT "nco:streetAddress" 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),
'u') FROM (SELECT
"nco:PersonContact_nco:hasAffiliation11","nco:hasAffiliation" AS
"2_u","nco:Role_nco:hasPostalAddress12","nco:hasPostalAddress"
AS "7_u" FROM "nco:PersonContact_nco:hasAffiliation11" AS
"nco:PersonContact_nco:hasAffiliation11",
"nco:Role_nco:hasPostalAddress" AS

Open Source Used In MSX Platform Infrastructure 4.0.0 2560
without a shared lock, other processes are free to modify the database

Proprietary SQLite Extensions

You are welcomed to use SQLite in closed source, proprietary, and/or

Proprietary SQLite Extensions

But there also exist proprietary, licensed extensions to SQLite, written and maintained

Proprietary SQLite Extensions

You are welcomed to use SQLite in closed source, proprietary, and/or

Proprietary SQLite Extensions

You are welcomed to use SQLite in closed source, proprietary, and/or
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.

Sources are in the public domain. Rather than using fopen() to write XML or some proprietary format into

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 FTS2 module.
#
#$Id: fts2c.test,v 1.1 2006/10/19 23:36:26 shess Exp$
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS2 is defined, omit this file.
if capable !fts2 {
  finish_test
  return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts2c-1.1 {


create virtual table email using fts2([from],[to],subject,body);

transaction;

1. Insert data into email table:

```
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  | 0
2500 - 54995000  | 5000
5500 - 64996000  | 6000

2. Insert data into email 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://expensesxms.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/rt/010129/n29305829.html');
INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');
INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.

-----Original Message-----
From: Johnson, Jay
Sent: Tuesday, October 16, 2001 3:42 PM
To: Carter, Karen E.
Subject: FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent: Friday, September 21, 2001 8:33 PM
Subject: Producers Newsletter 9-24-2001

'));
INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com', 'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');
INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,
LaChandra, 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;

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >> << File: mccartyBonusCommercial_UnP.xls >>

};
PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE GIVE ME A CALL.

BERT):

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

Thank for your help!

Jim

');

The information contained in this E-mail is legally privileged and confidential information intended only for the use of the individual or entity named above. You are hereby notified that any dissemination, distribution, or copy of this E-mail to unauthorized entities is strictly prohibited. If you have received this E-mail in error, please delete it.
You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

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

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

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

<<About St Pauls.url>>

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

');
Here is a goody for you:

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o’rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,' , 'TRV Notification: (West VaR - 11/07/2001), The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('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('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('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_W1C

The orientation of the individual reports should be correct. Thanks.

Mat

PS. Just a reminder to add the "*" by the title of calculated points.");

"Karkour, Randa" <Randa.Karkour@COMPAQ.com> on 09/07/2000 09:01:04 AM
To: ""Agheb (E-mail)" <Agheb@aol.com>, "Leila Mankarious (E-mail)"
<Leila_Mankarious@mhh.org>, ""Marymankarious (E-mail)"
<marymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy
Mankarious (E-mail)" <Mankarious@aol.com>
Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

Thanks

---------------------- Forwarded by Errol McLaughlin/Cong/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/Cong/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Cong/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal: East Northeast
Dick Jenkins: East Marketeast

WK

');

INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.'
An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');

"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc: 
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');

'});
'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] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [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.');

INSERT INTO email([from],[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, karen.denne@enron.com', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI. the latest broadside against the generators.

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax:(415) 782-7854
----- Forwarded by Susan J Mara/NA/Enron on 06/08/2001 12:24 PM -----

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: "smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Open Source Used In MSX Platform Infrastructure 4.0.0 2573
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 Katy tailgate GD at buyers option three days prior to NYMEX close.

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - "Koch, Kent"<kkoch@nisource.com>"," - "Millar, Debra"<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
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.

');

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'};
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

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

<< 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
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com);

INSERT INTO email([from],[to],subject,body) VALUES('kevin.hyatt@enron.com', '', 'Technical Support', 'Outside the U.S., please refer to the list below:

Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

New Zealand:
0800 446-398
support@palm-nz.com

U.K.:
0171 867 0108
eurosupport@palm.3com.com

Please refer to the Worldwide Customer Support card for a complete technical support contact list.');

INSERT INTO email([from],[to],subject,body) VALUES('geoff.storey@enron.com', 'dutch.quigley@enron.com', 'RE: duke contact?

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 10:14 AM
To: Storey, Geoff
Subject: RE:

bp corp
Albert LaMore
281-366-4962

running the reports now
-----Original Message-----
From: Storey, Geoff
Sent: Wednesday, October 31, 2001 10:10 AM
To: Quigley, Dutch
Subject: RE:

give me a contact over there too
BP

-----Original Message-----
From: Quigley, Dutch
Sent: Wednesday, October 31, 2001 9:42 AM
To: Storey, Geoff
Subject: 

Coral
Jeff Whitnah 713-767-5374
Relaint
Steve McGinn 713-207-4000

INSERT INTO email([from],[to],subject,body) VALUES('pete.davis@enron.com', 'pete.davis@enron.com', 'Start Date: 4/22/01; HourAhead hour: 3; <CODESITE>', 'Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.  
Variance detected.  
Variance detected in Load schedule.  

LOG MESSAGES:

PARSING FILE --> O:\Portland\WestDesk\California Scheduling\ISO Final Schedules\2001042203.txt

---- Load Schedule ----
$$$ Variance found in table tblLoads.
  Details: (Hour: 3 / Preferred: 1.92 / Final: 1.89)
  TRANS_TYPE: FINAL
  LOAD_ID: PGE4
  MKT_TYPE: 2
  TRANS_DATE: 4/22/01
  SC_ID: EPMI

');

INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com', 'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.  

John');

INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',

------End of Email-------
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I’m seeing Glen at 11:15...talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '

This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg';

    COMMIT;

} {}
do_test fts2c-1.6 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH "mark susan"
    }
}
do_test fts2c-1.7 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark -susan'
    }
} {6 17 25 38 42 73 74}
do_test fts2c-1.8 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH '-mark susan'
    }
} {24}
do_test fts2c-1.9 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
    }
} {6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts2c-2.1 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts2c-2.2 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}
do_test fts2c-2.3 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'body:gas reminder'
    }
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts2c-2.4 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE subject MATCH 'gas reminder'
    }
}
SELECT rowid, offsets(email) FROM email
WHERE body MATCH 'gas reminder'
}

# Snippet generator tests
#
do_test fts2c-4.1 {
exesql {
    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 {
exesql {
    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 {
exesql {
    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 potential/ reuse/ licensing
Contract negotiations

```
do_test fts2c-4.4 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
```

```
{[EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
Contract negotiations ]}
do_test fts2c-4.5 {
execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
}
```

```
{[Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the ]}
do_test fts2c-4.6 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
}
```

```
{<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 <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}

do_test fts2c-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
} {{matt.smith@enron.com <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

INSERT INTO x1 VALUES('blonds', 'proprietary');

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#  May you do good and not evil.
#  May you find forgiveness for yourself and forgive others.
#  May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module.
#
# $Id: fts1c.test,v 1.11 2006/10/04 17:35:28 drh Exp $
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
do_test fts1c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts1([from],[to],subject,body);
        BEGIN TRANSACTION;
        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/rt/010129/n29305829.html);

INSERT INTO email([from],[to],subject,body) VALUES('mark.haedicke@enron.com', 'paul.simons@enron.com', 'Re: First Polish Deal!', 'Congrats! Things seem to be building rapidly now on the Continent. Mark');

INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.
-----Original Message-----
From: Johnson, Jay
Sent: Tuesday, October 16, 2001 3:42 PM
To: Carter, Karen E.
Subject: FW: Producers Newsletter 9-24-2001

-----Original Message-----
From: Daigre, Sergai
Sent: Friday, September 21, 2001 8:33 PM
Subject: Producers Newsletter 9-24-2001

');

INSERT INTO email([from],[to],subject,body) VALUES('david.delainey@enron.com', 'kenneth.lay@enron.com',


'Greater Houston Partnership', 'Ken, in response to the letter from Mr Miguel San Juan, my suggestion would be to offer up the Falcon for their use; however, given the tight time frame and your recent visit with Mr. Fox that it would be difficult for either you or me to participate.

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');

INSERT INTO email([from],[to],subject,body) VALUES('lachandra.fenceroy@enron.com', 'lindy.donoho@enron.com', 'FW: Bus Applications Meeting Follow Up', 'Lindy,

Here is the original memo we discussed earlier. Please provide any information that you may have.

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

-----Original Message-----
From: Bisbee, Joanne
Sent:Wednesday, September 26, 2001 7:50 AM
To:Fenceroy, LaChandra
Subject:FW: Bus Applications Meeting Follow Up

Lachandra, Please get with David Duff today and see what this is about. Who are our TW accounting business users?

-----Original Message-----
From: Koh, Wendy
Sent:Tuesday, September 25, 2001 2:41 PM
To:Bisbee, Joanne
Subject:Bus Applications Meeting Follow Up

Lisa brought up a TW change effective Nov 1. It involves eliminating a turnback surcharge. I have no other information, but you might check with the business folks for any system changes required.

Wendy');

INSERT INTO email([from],[to],subject,body) VALUES('danny.mccarty@enron.com', 'fran.fagan@enron.com', 'RE: worksheets', 'Fran,

If Julie’s merit needs to be lump sum, just move it over to that column. Also, send me Eric Gadd’s sheets as well.

Thanks.
Dan
-----Original Message-----
From: Fagan, Fran
Sent:Thursday, December 20, 2001 11:10 AM
To:McCarty, Danny
Subject:worksheets

As discussed, attached are your sheets for bonus and merit.

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

<< File: McCartyMerit.xls >>  << File: mccartyBonusCommercial_UnP.xls >>

');
INSERT INTO email([from],[to],subject,body) VALUES('bert.meyers@enron.com', 'shift.dl-portland@enron.com',
'OCTOBER SCHEDULE', 'TEAM,

PLEASE SEND ME ANY REQUESTS THAT YOU HAVE FOR OCTOBER. SO FAR I HAVE THEM FOR
LEAF. I WOULD LIKE TO HAVE IT DONE BY THE 15TH OF THE MONTH. ANY QUESTIONS PLEASE
GIVE ME A CALL.

BERT');
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com,
bilal.bajwa@enron.com, john.griffith@enron.com.', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The
+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_d
te=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..stefles@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), WSCLC (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('christians Germany@enron.com',
'ingrid.immer@williams.com', 'Re: About St Pauls', 'Sounds good to me. I bet this is next to the Warwick?? Hotel.

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

- About St Pauls.url

');
INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com.', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle. ');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com.', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR
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', '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

-----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
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)"
"Marymankarious@aol.com", "'Ramy Mankarious (E-mail)"
"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
'):
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,

JH Herbert

- 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,

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

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.

FYI. the latest broadside against the generators.

Sue Mara
Enron Corp.
Tel: (415) 782-7802
"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM  To: "smara@enron.com"
<smara@enron.com> cc: Subject: CAISO Emergency Motion

Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch');

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

----------------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001 16:36 -----------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,

These are the documents that Peter promised to give to you for Mark Frevert.
He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

);
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com', 'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  Finalize market analysis to refine business case, specifically projected revenue stream
  Complete counterparty surveying, including targeting 3 CPs for letters of intent
  Review Enron asset base for potential reuse/ licensing
  Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc ');
INSERT INTO email([from],[to],subject,body) VALUES('thomas.martin@enron.com', 'thomas.martin@enron.com', 'Re: Guadalupe Power Partners LP', '---------------------- Forwarded by Thomas A Martin/HOU/ECT on 03/20/2001 03:49 PM ---------------------------

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

The deal is physically served at Oasis Waha or Oasis Katy and is priced at either HSC, Waha or Katytailgate GD at buyers option three days prior to NYMEX close.
agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: " - *Koch, Kent" <kkoch@nisource.com>, " - *Millar, Debra" <dmillar@nisource.com>, " - *Burke, Lynn" <lburke@nisource.com>
cc: " - *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


Please note that the deadline for bids is 3:00pm EST on March 20, 2001.

If you have any questions, feel free to contact any of the representatives listed at the bottom of the attachment.

Aaron Goddard

- 2001Summer.doc

');
INSERT INTO email([from],[to],subject,body) VALUES('rhonda.denton@enron.com', 'tim.belden@enron.com, dana.davis@enron.com, genia.fitzgerald@enron.com', 'Split Rock Energy LLC', 'We have received the executed EEI contract from this CP dated 12/12/2000. Copies will be distributed to Legal and Credit.');
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net', 'Oral Argument Request', '- Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332 the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', '');

-----Original Message-----
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.
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 haven't had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,

I'll get it done today.

DG 3-9573

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

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

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

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

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

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King
If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!

Casey

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

ds

');

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

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

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

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

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

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

INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu,
gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB rumor mill. Hope things are well, happy holidays.

PL');

INSERT INTO email([from],[to],subject,body) VALUES('marie.heard@enron.com', 'ehamilton@fna.com', 'ISDA
Master Agreement', 'Erin:

Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

Marie Heard
Senior Legal Specialist
Enron North America Corp.
Phone: (713) 853-3907
Fax: (713) 646-3490
marie.heard@enron.com

');
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.heaty@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');
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
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
-----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

Variance detected in Load schedule.

LOG MESSAGES:

PARSING FILE -->> O:\Portland\WestDesk\California Scheduling\ISO Final
--- 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,

*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;
}
} {}
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.
#
do_test fts1c-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
      WHERE email MATCH 'gas reminder'
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 0 129 3 3 0 143 3 3 0 240 3}}

do_test fts1c-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

do_test fts1c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8}}

do_test fts1c-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts1c-3.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
  }
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}

do_test fts1c-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH '"child product"'
  }
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts1c-4.1 {
  execsql {

SELECT snippet(email) FROM email
WHERE email MATCH 'subject:gas reminder'
}
} {{Alert Posted 10:00 AM November 20, 2000: E-<b>GAS</b>/ Reminder}<b>Reminder</b> }

do_test fts1c-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
} {{<b>...</b> place.? What do you think about going here <b>Christmas</b><b>Christmas</b> eve?? They have an 11:00 a.m. service and a <b>candlelight</b><b>candlelight</b> service at 5:00 p.m., among others. <b>...</b>}}

do_test fts1c-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {{<b>...</b> intent
    Review Enron asset base for <b>potential</b><b>potential</b>/ licensing
    Contract negotiations <b>...</b>}}

do_test fts1c-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {{EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
    Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
    Contract negotiations  }}

do_test fts1c-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
} {{Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the  }}

do_test fts1c-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
} {{<b>chris</b>.germany@enron.com <b>...</b> Sounds good to me. I bet this <b>is</b><b>is</b> next to the Warick?? Hotel. <b>...</b> place.? What do you think about going <b>here</b><b>here</b> Christmas eve?? They have an 11:00 a.m. <b>...</b>}}

do_test fts1c-4.7 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
  }
}
do_test fts1c-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
} 
}  

{pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b> schedules awarded.
Variances detected.
Variances detected in <b>Load</b> schedule.

LOG MESSAGES:

PARSING <b>...</b> 

# Combinations of AND and OR operators:
#
do_test fts1c-5.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
} 
}  

{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }

do_test fts1c-5.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
} 
}  

{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }

finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

application code is free to use these routines as well, if desired.

MMFauxFont.prc

<html><body bgcolor="white">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

Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members.

SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.

The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers.

Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.

"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla. "As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."

"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development," said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, http://www.sqlite.org/.

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Open Source Used In MSX Platform Infrastructure 4.0.0 2620
<p><b>About SQLite</b></p>

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>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><b>About Mozilla</b></p>

Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere. Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation. For more information, visit www.mozilla.com.

<p>CONTACT INFORMATION:<br>Mozilla Corporation<br>Jessica Waight<br>Tel: +1.415.345.4754<br>Email: jwaight@outcastpr.com</p>

<p><b>About Symbian Limited</b></p>

Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones.
known as smartphones.</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>

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
</body></html>
** no rollbacks are happening.
*/

Found in path(s):

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

application is free to use the same <a href="../c3ref/sqlite3.html">database connection</a> or the

Found in path(s):

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

/*
** The "printf" code that follows dates from the 1980's. It is in
** the public domain. The original comments are included here for
** completeness. They are very out-of-date but might be useful as
** an historical reference. Most of the "enhancements" have been backed
** out so that the functionality is now the same as standard printf().
**
****************************************************************************
**
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
**
*/

Found in path(s):

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

other proprietary or non-standard VFSes.

Found in path(s):

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

<html>
<head>
<title>SQLite Consortium Agreement</title>
</head>
<body bgcolor="white">

Open Source Used In MSX Platform Infrastructure 4.0.0 2623
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>
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.

<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.

<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.

<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.

<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.

<h4>2.1.11 Website</h4>
<p>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.
2.2.2 Direction

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.

2.2.3 Oversight

The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.

2.2.4 Continuity

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.

2.3 Responsibilities And Obligations Of Hwaci

2.3.1 Employer

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.

2.3.2 Responsible Party

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.

2.3.3 Multiple Developers

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.

2.3.4 Mentorship

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></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.
</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.

<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 SQLite website 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.

<h3>4.2 Non-Use and Non-Disclosure</h3>
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.

5.0 Intellectual Property
<h3>5.1 No Assignment</h3>

Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments, discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company.

<h3>5.2 Availability and Public Domain Dedication</h3>

The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain.

To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.

<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>
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.

7.3 Survival.

Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.

8. Miscellaneous
8.1 Nonassignment/Binding Agreement.

The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.

8.2 Notices.

Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.

8.3 Waiver.

Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.
8.4 Severability.

If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.

8.5 Integration.

This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.

8.6 Counterparts.

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.

8.7 Governing Law.

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.

8.8 Independent Contractors.

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>

<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:<hr><p>&nbsp;</p>Print Name:<hr><p>&nbsp;</p>Title:<hr><p>&nbsp;</p></td><td width="10%"></td><td valign="top"
COMPANY<br>By:<hr><p>&nbsp;</p>Print Name:<hr><p>&nbsp;</p>Title:<hr><p>&nbsp;</p></td></tr></table>

Found in path(s):
No license file was found, but licenses were detected in source scan.

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

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.
*/

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

2.31 0
1.23 0
1.0 0

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

Public domain</b></p>
The source code for SQLite is in the public domain. No claim of copyright

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

# 2001 September 15
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

This file implements regression tests for SQLite library. The focus of this file is testing built-in functions.

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

do_test func-0.0 {
    execsql {CREATE TABLE tbl1(t1 text)}
    foreach word [this program is free software] {
        execsql "INSERT INTO tbl1 VALUES('$word')"
    }
    execsql {SELECT t1 FROM tbl1 ORDER BY t1}
}

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;
    }
}

do_test func-1.0 {
    execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
}

do_test func-1.1 {
    set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
    lappend r $msg
}

do_test func-1.2 {
    set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
    lappend r $msg
}

do_test func-1.3 {
    execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
        ORDER BY length(t1)}
}
```
do_test func-1.4 {
    execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 3 -1.5}

# Check out the substr() function
#
do_test func-2.0 {
    execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
} {fr is pr so th}
do_test func-2.1 {
    execsql {SELECT substr(t1,2,1) FROM tbl1 ORDER BY t1}
} {r s r o h}
do_test func-2.2 {
    execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} {ee {} ogr ftw is}
do_test func-2.3 {
    execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.4 {
    execsql {SELECT substr(t1,-1,2) FROM tbl1 ORDER BY t1}
} {e s m e s}
do_test func-2.5 {
    execsql {SELECT substr(t1,-2,1) FROM tbl1 ORDER BY t1}
} {e i a r i}
do_test func-2.6 {
    execsql {SELECT substr(t1,-2,2) FROM tbl1 ORDER BY t1}
} {ee is am re is}
do_test func-2.7 {
    execsql {SELECT substr(t1,-4,2) FROM tbl1 ORDER BY t1}
} {fr {} gr wa th}
do_test func-2.8 {
    execsql {SELECT t1 FROM tbl1 ORDER BY substr(t1,2,20)}
} {this software free program is}
do_test func-2.9 {
    execsql {SELECT substr(a,1,1) FROM t2}
} {1 {} 3 {} 6}
do_test func-2.10 {
    execsql {SELECT substr(a,2,2) FROM t2}
} {{} {} 45 {} 78}

# Only do the following tests if TCL has UTF-8 capabilities
#
if {\"u1234\"!="u1234"} {
    # Put some UTF-8 characters in the database
    #
do_test func-3.0 {
    execsql {DELETE FROM tbl1}
foreach word "contains UTF-8 characters hiú1234ho" {
    execsql "INSERT INTO tbl1 VALUES('Sword')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} "UTF-8 characters contains hiú1234ho"
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 hiú1234"
do_test func-3.4 {
execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
} "TF ha on iú1234"
do_test func-3.5 {
execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
} "TF- har ont iú1234h"
do_test func-3.6 {
execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.7 {
execsql {SELECT substr(t1,3,3) FROM tbl1 ORDER BY t1}
} "TF- er in ú1234h"
do_test func-3.8 {
execsql {SELECT substr(t1,4,2) FROM tbl1 ORDER BY t1}
} "-8 ra ta ho"
do_test func-3.9 {
execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
} "8 s s o"
do_test func-3.99 {
execsql {DELETE FROM tbl1}
foreach word {this program is free software} {
    execsql "INSERT INTO tbl1 VALUES('Sword')"
}
execsql {SELECT t1 FROM tbl1}
} {this program is free software}
}
;# End ú1234!=u1234

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {

do_test func-4.1 {
  execsql {
    CREATE TABLE t1(a,b,c);
    INSERT INTO t1 VALUES(1,2,3);
    INSERT INTO t1 VALUES(2,12345678901234,-1234567890);
    INSERT INTO t1 VALUES(3,-2,-5);
  }
  catchsql {SELECT abs(a,b) FROM t1}
  {1 {wrong number of arguments to function abs()}}
}
ifcapable floatingpoint {
  do_test func-4.1 {
    execsql {
      CREATE TABLE t1(a,b,c);
      INSERT INTO t1 VALUES(1,2,3);
      INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
      INSERT INTO t1 VALUES(3,-2,-5);
    }
    catchsql {SELECT abs(a,b) FROM t1}
    {1 {wrong number of arguments to function abs()}}
  }
do_test func-4.2 {
    catchsql {SELECT abs() FROM t1}
    {1 {wrong number of arguments to function abs()}}
  }
ifcapable floatingpoint {
  do_test func-4.3 {
    catchsql {SELECT abs(b) FROM t1 ORDER BY a}
    {0 {2 1.2345678901234 2}}
  }
do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
    {0 {3 12345.6789 5}}
  }
}
ifcapable !floatingpoint {
  if {
    if {
      if {
        if {
          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}
        }
      }
    }
  }
}
}

Open Source Used In MSX Platform Infrastructure 4.0.0 2641
if capable 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 round(b,2) 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);}
    } $x2
}
do_test func-4.20 {
    execsql {SELECT round(40223.49999999999);}
} {40223.0}
do_test func-4.21 {
    execsql {SELECT round(40224.49999999999);}
} {40224.0}
do_test func-4.22 {
    execsql {SELECT round(40225.49999999999);}
} {40225.0}
for {set i 1} {$i<10} {incr i} {
    do_test func-4.23.$i {
        execsql {SELECT round(40223.4999999999,$i);}
    } {40223.5}
do_test func-4.24.$i {
        execsql {SELECT round(40224.4999999999,$i);}
    } {40224.5}
do_test func-4.25.$i {
        execsql {SELECT round(40225.4999999999,$i);}
    } {40225.5}
}
for {set i 10} {$i<32} {incr i} {
    do_test func-4.26.$i {
        execsql {SELECT round(40223.49999999999,$i);}
    } {40223.4999999999}
do_test func-4.27.$i {
        execsql {SELECT round(40224.49999999999,$i);}
    } {40224.4999999999}
do_test func-4.28.$i {
        execsql {SELECT round(40225.49999999999,$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 {
exesql {SELECT round(1234567890123.5);}
} {1234567890124.0}
do_test func-4.33 {
exesql {SELECT round(1234567890123.45);}
} {1234567890123.5}
do_test func-4.34 {
exesql {SELECT round(1234567890123.35,1);}
} {1234567890123.4}
do_test func-4.35 {
exesql {SELECT round(1234567890123.445,2);}
} {1234567890123.45}
do_test func-4.36 {
exesql {SELECT round(9999999999999.5);}
} {9999999999999.55}
do_test func-4.37 {
exesql {SELECT round(9999999999999.556,2);}
} {9999999999999.56}
}

# Test the upper() and lower() functions
#
do_test func-5.1 {
exesql {SELECT upper(t1) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.2 {
exesql {SELECT lower(upper(t1)) FROM tbl1}
} {THIS PROGRAM IS FREE SOFTWARE}
do_test func-5.3 {
exesql {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 {
exesql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
  execsql {SELECT coalesce(upper(a), 'nil') FROM t2}
} {1 nil 345 nil 67890}

do_test func-6.3 {
  execsql {SELECT coalesce(nullif(1,1), 'nil')}
} {nil}

do_test func-6.4 {
  execsql {SELECT coalesce(nullif(1,2), 'nil')}
} {1}

do_test func-6.5 {
  execsql {SELECT coalesce(nullif(1,NULL), 'nil')}
} {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
  execsql {SELECT last_insert_rowid()}
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.33 1 67890 5}
}

ifcapable !floatingpoint {
  do_test func-8.1 {
    ifcapable explain {
      execsql {EXPLAIN SELECT sum(a) FROM t2;}
    }
    execsql {
      SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
    }
} {68236 3 22745.0 1 67890 5}
}

do_test func-8.2 {
  execsql {
    SELECT max('z+''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''A''B''C''D''E''F''G''H''I''J''K''L''M''N''O''P') FROM t2;
  }
} {z+67890abcdefgijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ}
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 -9223372036850000000) 
}  
} {1}  
}

# How do you test the random() function in a meaningful, deterministic way?  
# 
do_test func-9.1 {  
execsql {  
    SELECT random() is not null;  
}  
} {1}  
do_test func-9.2 {  
execsql {  
    SELECT typeof(random());  
}  
} {integer}  
do_test func-9.3 {  
execsql {  
    SELECT randomblob(32) is not null;  
}  
} {1}  
do_test func-9.4 {  
execsql {  
    SELECT typeof(randomblob(32));  
}  
} {blob}  
do_test func-9.5 {  
execsql {  
    SELECT length(randomblob(32)), length(randomblob(-5)),  
        length(randomblob(2000))  
}  
} {32 1 2000}

# The "hex()" function was added in order to be able to render blobs  
# generated by randomblob(). So this seems like a good place to test  
# hex().  
# 
ifcapable bloblit {  
do_test func-9.10 {  
execsql {SELECT hex(x'00112233445566778899aAbBeCdDeEfF'))  
} {00112233445566778899AABBCCDDEEFF}  
}  
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
    do_test func-9.11-utf16le {
        execsql {SELECT hex(replace('abcdefg','ef','12'))}
    } {6100620063006400310032006700}
    do_test func-9.12-utf16le {
        execsql {SELECT hex(replace('abcdefg','",12"))}
    } {6100620063006400650066006700}
    do_test func-9.13-utf16le {
        execsql {SELECT hex(replace('aabcdefg','a','aaa'))}
    } {61006100610061006100620063006400650066006700}
} elseif {$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'))}
    } {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);
    }
}
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',
        'int', 1234,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'string', NULL,
        'string', 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ',
        'double', 1.234
      );
    }
  } {1.234}
}

# Test the built-in sqlite_version(*) SQL function.
#
do_test func-11.1 {
  execsql {
    SELECT sqlite_version(*);
  }
} [sqlite3 -version]

# Test that destructors passed to sqlite3 by calls to sqlite3_result_text() # etc. are called. These tests use two special user-defined functions # (implemented in func.c) only available in test builds.
#
# Function test_destructor() takes one argument and returns a copy of the # text form of that argument. A destructor is associated with the return # value. Function test_destructor_count() returns the number of outstanding # destructor calls for values returned by test_destructor().
#

if {
[db eval {PRAGMA encoding}]="UTF-8"} {
  do_test func-12.1-utf8 {
    execsql {
      SELECT test_destructor('hello world'), test_destructor_count();
    }
  } {{hello world} 1}
} else {
  ifcapable {utf16} {
    do_test func-12.1-utf16 {
      execsql {
        SELECT test_destructor16('hello world'), test_destructor_count();
      }
    } {{hello world} 1}
  }
  do_test func-12.2 {
    execsql {
      SELECT test_destructor_count();
    }
  } {0}
  do_test func-12.3 {
    execsql {
      SELECT test_destructor('hello')||' world'
    }
  } {{hello world}}
  do_test func-12.4 {
    execsql {
      SELECT test_destructor_count();
    }
  } {0}
  do_test func-12.5 {
    execsql {
      CREATE TABLE t4(x);
      INSERT INTO t4 VALUES(test_destructor('hello'));
      INSERT INTO t4 VALUES(test_destructor('world'));
      SELECT min(test_destructor(x)), max(test_destructor(x)) FROM t4;
    }
  } {hello world}
  do_test func-12.6 {
    execsql {
      SELECT test_destructor_count();
    }
  } {0}
  do_test func-12.7 {
    execsql {
      DROP TABLE t4;
    }
  }
}
# Test that the auxdata API for scalar functions works. This test uses
# a special user-defined function only available in test builds,
# test_auxdata(). Function test_auxdata() takes any number of arguments.
do_test func-13.1 {
execsql {
    SELECT test_auxdata('hello world');
}
} {0}
do_test func-13.2 {
execsql {
    CREATE TABLE t4(a, b);
    INSERT INTO t4 VALUES('abc', 'def');
    INSERT INTO t4 VALUES('ghi', 'jkl');
}
} {}
do_test func-13.3 {
execsql {
    SELECT test_auxdata('hello world') FROM t4;
}
} {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)}
} {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 {
eexecsql {
    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
eexecsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %. Ticket #1354
#
do_test func-17.1 {
proc testfunc1 args {error "Error %d with %s percents %p"}
db function testfunc1 ::testfunc1
catchsql {
    SELECT testfunc1(1,2,3);
}
} {1 {Error %d with %s percents %p}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
    execsql {
        CREATE TABLE t5(x);
        INSERT INTO t5 VALUES(1);
        INSERT INTO t5 VALUES(-99);
        INSERT INTO t5 VALUES(10000);
        SELECT sum(x) FROM t5;
    }
} {9902}
ifcapable floatingpoint {
    do_test func-18.2 {
        execsql {
            INSERT INTO t5 VALUES(0.0);
            SELECT sum(x) FROM t5;
        }
    } {9902.0}
}

# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
# 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}

} {9902.0}

} {1 {Error %d with %s percents %p}}


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
}
}
if {[working_64bit_int]} {
    do_test func-18.14 {
        execsql {
            SELECT sum(-9223372036854775805);
        }
    } -9223372036854775805
}
ifcapable compound&&subquery {

do_test func-18.15 {
    catchsql {
        SELECT sum(x) FROM
            (SELECT 9223372036854775807 AS x UNION ALL
             SELECT 10 AS x);
    }
} {1 {integer overflow}}
if {[working_64bit_int]} {
    do_test func-18.16 {
        catchsql {
            SELECT sum(x) FROM
                (SELECT 9223372036854775807 AS x UNION ALL
                 SELECT -10 AS x);
        }
    } {0 9223372036854775797}
}
do_test func-18.17 {
    catchsql {
        SELECT sum(x) FROM
            (SELECT -9223372036854775807 AS x UNION ALL
             SELECT 10 AS x);
    }
} {0 -9223372036854775797}
}
do_test func-18.18 {
    catchsql {
        SELECT sum(x) FROM
            (SELECT -9223372036854775807 AS x UNION ALL
             SELECT -10 AS x);
    }
} {1 {integer overflow}}
do_test func-18.19 {
    catchsql {
        SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
    }
} {0 -1}
do_test func-18.20 {
    catchsql {

SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
} {0 1}
do_test func-18.21 {
catchsql {
    SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
} {0 -1}
do_test func-18.22 {
catchsql {
    SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
} {0 1}
} ;# ifcapable compound&subquery

# Integer overflow on abs()
#
if {[[working_64bit_int]]} {
do_test func-18.31 {
catchsql {
    SELECT abs(-9223372036854775807);
} {0 9223372036854775807}
}
do_test func-18.32 {
catchsql {
    SELECT abs(-9223372036854775807-1);
} {1 {integer overflow}}
} ;# ifcapable compound&subquery

# The MATCH function exists but is only a stub and always throws an error.
#
do_test func-19.1 {
exesql {
    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}}
} ;# ifcapable compound&subquery
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
        Heilbron 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");
  } {{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 replace("aaaaaaa", "a", "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('xyxzy hi zzzy','xyz')};
} {{ hi zzzy}}
do_test func-22.11 {
execsql {SELECT ltrim('xyxzy hi zzzy','xyz')};
} {{ hi zzzy}}
do_test func-22.12 {
execsql {SELECT rtrim('xyxzy hi zzzy','xyz')};
} {{xyxzy hi zzzy}}
do_test func-22.13 {
execsql {SELECT trim(' hi ','')};
} {{ hi}}
if {[db one {PRAGMA encoding}]=="UTF-8"} {
do_test func-22.14 {
execsql {SELECT hex(trim(x'c280e1bfbff48fbfbf6869',x'6162e1bfbfc280'))};
} {F48FBFBF6869}
do_test func-22.15 {
execsql {SELECT hex(trim(x'6869c280e1bfbff48fbfbf61', x'6162e1bfbfc280f48fbfbf'))};
} {6869}
do_test func-22.16 {
execsql {SELECT hex(trim(x'ceb1ceb2ceb3',x'ceb1'))};
} {CEB2CEB3}
}
execsql {SELECT typeof(trim(NULL));}
} {null}
do_test func-22.21 {
execsql {SELECT typeof(trim(NULL,'xyz'));}
} {null}
do_test func-22.22 {
execsql {SELECT typeof(trim('hello',NULL));}
} {null}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
ifcapable deprecated {
do_test func-23.1 {
sqlite3_create_aggregate db
execsql {
    SELECT legacy_count() FROM t6;
}
} {3}
}

# The group_concat() function.
#
do_test func-24.1 {
execsql {
    SELECT group_concat(t1) FROM tbl1
}
} {this,program,is,free,software}
do_test func-24.2 {
execsql {
    SELECT group_concat(t1,' ') FROM tbl1
}
} {{this program is free software}}
do_test func-24.3 {
execsql {
    SELECT group_concat(t1,' ' || rowid || ' ') FROM tbl1
}
} {{this 2 program 3 is 4 free 5 software}}
do_test func-24.4 {
execsql {
    SELECT group_concat(NULL,t1) FROM tbl1
}
} {{}}
do_test func-24.5 {
execsql {
    SELECT group_concat(t1,NULL) FROM tbl1
}
} {this program is free software}
do_test func-24.6 {
execsql {
    SELECT 'BEGIN-':||group_concat(t1) FROM tbl
}
} {BEGIN-this,program,is,free,software}

# Ticket #3179: Make sure aggregate functions can take many arguments.
# None of the built-in aggregates do this, so use the md5sum() from the
# test extensions.
#
unset -nocomplain midargs
set midargs {}
unset -nocomplain midres
set midres {}
unset -nocomplain result
for {set i 1} {$i<[sqlite3_limit db SQLITE_LIMIT_FUNCTION_ARG -1]} {incr i} {
    append midargs '/$i'
    append midres '/$i'
    set result [md5 "this$midres|program$midres|is$midres|free$midres|software$midres"]
    set sql "SELECT md5sum(t1$midargs) FROM tbl1"
    do_test func-24.7.$i {
        db eval $::sql
    } $result
}

# Ticket #3806. If the initial string in a group_concat is an empty
# string, the separator that follows should still be present.
#
do_test func-24.8 {
    execsql {
        SELECT group_concat(CASE t1 WHEN 'this' THEN " " ELSE t1 END) FROM tbl
    }
} {.program.is.free,software}
do_test func-24.9 {
    execsql {
        SELECT group_concat(CASE WHEN t1!='software' THEN " " ELSE t1 END) FROM tbl
    }
} {....,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 tbl
    }
} {program.is.free,software}
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_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789
      (join $a ,);
  "
} {{}}
do_test func-26.3 {
  set a {}
  for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
    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 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_12345678a}}
do_test func-26.6 {
catchsql "
SELECT
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a(0);
"
} {1 {no such function:
nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
9_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_1
23456789_123456789_123456789_123456789_123456789_123456789_123456789a}}
do_test func-27.1 {

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catchsql {SELECT coalesce()}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
catchsql {SELECT coalesce(1)}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
catchsql {SELECT coalesce(1,2)}
} {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
do_test func-28.1 {
db eval {
    CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
}
catchsql {
    INSERT INTO t28(x) VALUES(1);
}
} {1 {unknown function: nosuchfunc()}}

# Verify that the length() and typeof() functions do not actually load
# the content of their argument.
#
do_test func-29.1 {
db eval {
    CREATE TABLE t29(id INTEGER PRIMARY KEY, x, y);
    INSERT INTO t29 VALUES(1, 2, 3), (2, NULL, 4), (3, 4.5, 5);
    INSERT INTO t29 VALUES(4, randomblob(1000000), 6);
    INSERT INTO t29 VALUES(5, "hello", 7);
}
} {integer 1 integer null {} integer real 3 integer blob 1000000 integer text 5 integer}
do_test func-29.2 {
set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x<5} {set x 1}
set x
} {1}
do_test func-29.3 {
db close
sqlite3 db test.db
sqlite3_db_status db CACHE_MISS 1
db eval {SELECT typeof(x), length(x), typeof(y) FROM t29 ORDER BY id}
} {integer 1 integer null {} integer real 3 integer blob 1000000 integer text 5 integer}
do_test func-29.4 {
set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x<5} {set x 1}
set x
} {1}
do_test func-29.4 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x>100} {set x many}
    set x
} {many}
}
do_test func-29.5 {
    db close
    sqlite3 db test.db
    sqlite3_db_status db CACHE_MISS 1
    db eval {SELECT sum(length(x)) FROM t29}
} {1000009}
do_test func-29.6 {
    set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
    if {$x<5} {set x 1}
    set x
} {1}
do_execsql_test func-30.1 {SELECT unicode('$');} 36
do_execsql_test func-30.2 {subst {SELECT unicode('u00A2');}} 162
do_execsql_test func-30.3 {subst {SELECT unicode('u20AC');}} 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} {subst {$u00A2$u20AC}}
for {set i 1} {$i<0xd800} {incr i 13} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 57344} {$i<=0xfffd} {incr i 17} {
    if {$i==0xfeff} continue
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
for {set i 65536} {$i<=0x10ffff} {incr i 139} {
    do_execsql_test func-30.5.$i {SELECT unicode(char($i))} $i
}
finish_test

Found in path(s):
No license file was found, but licenses were detected in source scan.

# 2006 October 1
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
May you share freely, never taking more than you give.

This file implements regression tests for SQLite library. The focus of this script is testing the FTS1 module, and in particular the Porter stemmer.

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

# If SQLITE_ENABLE_FTS1 is defined, omit this file.
if capable !fts1 {
    finish_test
    return
}

# Test data for the Porter stemmer. The first word of each line is the input. The second word is the desired output.
# This test data is taken from http://www.tartarus.org/martin/PorterStemmer/
# There is no claim of copyright made on that page, but you should probably contact the author (Martin Porter - the inventor of the Porter Stemmer algorithm) if you want to use this test data in a commercial product of some kind. The stemmer code in FTS1 is a complete rewrite from scratch based on the algorithm specification and does not contain any code under copyright.
set porter_test_data {
    a        a
    aaron    aaron
    abaissiez abaissiez
    abandon  abandon
    abandoned abandon
    abase    abas
    abash    abash
    abate    abat
    abated   abat
    abatement abat
    abatements abat
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    abbey    abbei
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yield  yield
yielded  yield
yelder  yielder
yielders  yielder
yielding  yield
yields  yield
yok  yok
yoke  yoke
yoked  yoke
yokefellow  yokefellow
yokes  yoke
yoketh  yoketh
yon  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 yorkshir
you  you
young young
younger younger
youngest youngest
youngling youngl
younglings youngl
youngly youngli
younker younker
your  your
yours  your
yourself yourself
yourselves yourselfv
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
zswagger zswagger
}
CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}

foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
exesql {
    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.

<a href="copyright.html">public domain</a>. No claim of ownership is made

Found in path(s):
No license file was found, but licenses were detected in source scan.

SQLite 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.

{string currentfile exch readstring pop}executeonly def

Found in path(s):
* /
No license file was found, but licenses were detected in source scan.

/*
 ** CAPI3REF: Configuration Options
 ** KEYWORDS: {configuration option}
 **
 ** These constants are the available integer configuration options that
 ** can be passed as the first argument to the [sqlite3_config()] interface.
** New configuration options may be added in future releases of SQLite.
** Existing configuration options might be discontinued. Applications
** should check the return code from [sqlite3_config()] to make sure that
** the call worked. The [sqlite3_config()] interface will return a
** non-zero [error code] if a discontinued or unsupported configuration option
** is invoked.
**
** <dl>
** 
** [SQLITE_CONFIG_SINGLETHREAD] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
** <dd>There are no arguments to this option. This option sets the
** [threading mode] to Single-thread. In other words, it disables
** all muting 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

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**SQLITE_CONFIG_SERIALIZED** configuration option.</p>

**

** [[SQLITE_CONFIG_MALLOC]] <dt>SQLITE_CONFIG_MALLOC</dt>

** <dd> *(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ ^SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns.</dd>

**

** [[SQLITE_CONFIG_GET_MALLOC]] <dt>SQLITE_CONFIG_GET_MALLOC</dt>

** <dd> *(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure. The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^
** This option can be used to overload the default memory allocation
** routines with a wrapper that simulations memory allocation failure or
** tracks memory usage, for example. </dd>

**

** [[SQLITE_CONFIG_MEMSTATUS]] <dt>SQLITE_CONFIG_MEMSTATUS</dt>

** <dd> *(This option takes single argument of type int, interpreted as a
** boolean, which enables or disables the collection of memory allocation
** statistics. *(When memory allocation statistics are disabled, the
** following SQLite interfaces become non-operational:
** <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 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-defined 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 can be used to overload the 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

Open Source Used In MSX Platform Infrastructure 4.0.0 3161
** 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. </dt><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 **
** <dt> <dd> This option takes a single integer argument which is interpreted as **
** a boolean in order to enable or disable the use of covering indices for **
** full table scans in the query optimizer. The default setting is determined **
** by the [SQLITE_ALLOW_COVERING_INDEX_SCAN] compile-time option, or is "on" **
** if that compile-time option is omitted. **
** The ability to disable the use of covering indices for full table scans **
** is because some incorrectly coded legacy applications might malfunction **
** malfunction when the optimization is enabled. Providing the ability to **
** disable the optimization allows the older, buggy application code to work **
** without change even with newer versions of SQLite. **
**
** [[SQLITE_CONFIG_PCACHE]] [[SQLITE_CONFIG_GETPCACHE]] **
** <dt>SQLITE_CONFIG_PCACHE and SQLITE_CONFIG_GETPCACHE **
** <dt> <dd> These options are obsolete and should not be used by new code. **
** They are retained for backwards compatibility but are now no-ops. **
** </dt><dd>**
**
** [[SQLITE_CONFIG_SQLLOG]] **
** <dt>SQLITE_CONFIG_SQLLOG **
** <dt> <dd>This option is only available if sqlite is compiled with the **
** [SQLITE_ENABLE_SQLLOG] pre-processor macro defined. The first argument should **
** be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int). **
** The second should be of type (void*). The callback is invoked by the library **
** in three separate circumstances, identified by the value passed as the
** fourth parameter. If the fourth parameter is 0, then the database connection
** passed as the second argument has just been opened. The third argument
** fourth parameter is 1, then the SQL statement that the third parameter
** points to has just been executed. Or, if the fourth parameter is 2, then
** the connection being passed as the second parameter is being closed. The
** third parameter is passed NULL. In this case. An example of using this
** configuration option can be seen in the "test_sqllog.c" source file in
** the canonical SQLite source tree. </dd>

**
** [[SQLITE_CONFIG_MMAP_SIZE]]
** <dt>SQLITE_CONFIG_MMAP_SIZE
** <dd>SQLITE_CONFIG_MMAP_SIZE takes two 64-bit integer (sqlite3_int64) values
** that are the default mmap size limit (the default setting for
** [PRAGMA mmap_size]) and the maximum allowed mmap size limit.
** The default setting can be overridden by each database connection using
** either the [PRAGMA mmap_size] command, or by using the
** [SQLITE_FCNTL_MMAP_SIZE] file control. The maximum allowed mmap size
** cannot be changed at run-time. Nor may the maximum allowed mmap size
** exceed the compile-time maximum mmap size set by the
** [SQLITE_MAX_MMAP_SIZE] compile-time option.
** If either argument to this option is negative, then that argument is
** changed to its compile-time default.
** */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-archive-d7GDY6A0/sqlite-src-3071700.zip-cosi-expand-archive-dNlVkuI7/sqlite-src-3071700/src/sqlite.h.in
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.

# 2006 September 14
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
# # May you do good and not evil.
# # May you find forgiveness for yourself and forgive others.
# # May you share freely, never taking more than you give.
# #*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS3 module.
#
# $Id: fts3ac.test,v 1.1 2007/08/20 17:38:42 shess Exp $
#

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

# If SQLITE_ENABLE_FTS3 is defined, omit this file.
if capable !fts3 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email
# archives of Enron executives that was published as part of the
# litigation against that company.
#
# do_test fts3ac-1.1 {
#    db eval {
#        CREATE VIRTUAL TABLE email USING fts3([from],[to],subject,body);
#        BEGIN TRANSACTION;
#        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com,' 'traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.
#
The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

Please see example below:

Parent's Settings:
Minimum: 5000
Increment: 1000

Volume on Autohedge transactionVolume Hedged
1      - 24990
2500 - 54995000
5500 - 64996000);
INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it’s ok with everyone’s needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o’clock hour just let me know; I’ll be more than willing to stay.’;

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<?<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

To approve this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/');

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,

I’d like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD');

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankoffamerica.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

');
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

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- 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: "'chrsgermany@enron.com'' <chris.germany@enron.com>
cc:
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

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=Wst+VaR&category_cd=2&category_name=WST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ;

LS HPL LSK IC 30.000 / Enron

');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer
practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');
INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works.

');
INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,
Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160');
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
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@mhh.s.org>, "''Marymankarious (E-mail)"
<mmarymankarious@aol.com>, "Michelle lokay (E-mail)" <mlokay@enron.com>, "Ramy Mankarious (E-mail)" <Mankarious@aol.com>
cc:

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

INSERT INTO email([from],[to],subject,body) VALUES('erol.mclaughlin@enron.com', 'sherry.dawson@enron.com', 'Urgent!!! --- New EAST books', 'This has to be done..........................

Thanks

---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000 08:39 AM

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT
Subject: New EAST books

We have new book names in TAGG for our intramonth portfolios and it is extremely important that any deal booked to the East is communicated quickly to someone on my team. I know it will take some time for the new names to sink in and I do not want us to miss any positions or P&L.

Thanks for your help on this.

New:
Scott Neal :     East Northeast
Dick Jenkins:   East Marketeast

WK
');
 INSERT INTO email([from],[to],subject,body) VALUES('david.forster@enron.com', 'eol.wide@enron.com', 'Change to Stack Manager', 'Effective immediately, there is a change to the Stack Manager which will affect any Inactive Child.

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

When the Child Product is activated, the price will be recalculated and updated BEFORE it is displayed on the web.

This means that if you are inputting a basis price on a Child product, you will not see the final, calculated price until you Activate the product, at which time the customer will also see it.

If you have any questions, please contact the Help Desk on:

Americas: 713 853 4357
Europe: + 44 (0) 20 7783 7783
Asia/Australia: +61 2 9229 2300

Dave');
 INSERT INTO email([from],[to],subject,body) VALUES('vince.kaminski@enron.com', 'jhh1@email.msn.com', 'Re: Light reading - see pieces beginning on page 7', 'John,

I saw it. Very interesting.

Vince
"John H Herbert" <jhh1@email.msn.com> on 07/28/2000 08:38:08 AM
To: "Vince J Kaminski" <Vince_J_Kaminski@enron.com>
cc:
Subject: Light reading - see pieces beginning on page 7

Cheers and have a nice weekend,

JHHerbert

- 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]
Dear SmartReminders Member,

We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.

SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email(from,[to],subject,body) VALUES('benjamin.rogers@enron.com', 'mark.bernstein@enron.com', 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!

Ben');

INSERT INTO email(from,[to],subject,body) VALUES('enron_update@concureworkplace.com', 'michelle.cash@enron.com', 'Expense Report Receipts Not Received', 'Employee Name: Michelle Cash Report Name: Houston Cellular 8-11-01 Report Date: 12/13/01 Report ID: 594D37C9ED2111D5B452 Submitted On: 12/13/01 You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');

INSERT INTO email(from,[to],subject,body) VALUES('susan.mara@enron.com', 'ray.alvarez@enron.com, mark.palmer@enron.com, karen.denne@enron.com', 'CAISO Emergency Motion -- to discontinue market-based rates for', 'FYI the latest broadside against the generators.

Sue Mara
Enron Corp.'
Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch'

Here are the documents that Peter has prepared for Mark Frevert.

Nailia

---------------------- Forwarded by Nailia Dindarova/LON/ECT on 25/06/2001 16:36 ---------------------------

Nailia Dindarova
25/06/2001 15:36
To: Michael Brown/Enron@EUEnronXGate
cc: Ross Sankey/Enron@EUEnronXGate, Eric Shaw/ENRON@EUEnronXGate, Peter Styles/LON/ECT@ECT

Subject: Documents for Mark Frevert (on EU developments and lessons from California)

Michael,
These are the documents that Peter promised to give to you for Mark Frevert. He has now handed them to him in person but asked me to transmit them electronically to you, as well as Eric and Ross.

Nailia

');
INSERT INTO email([from],[to],subject,body) VALUES('peggy.a.kostial@accenture.com', 'dave.samuels@enron.com', 'EOL-Accenture Deal Sheet', 'Dave -

Attached are our comments and suggested changes. Please call to review.

On the time line for completion, we have four critical steps to complete:
  Finalize market analysis to refine business case, specifically projected revenue stream
  Complete counterparty surveying, including targeting 3 CPs for letters of intent
  Review Enron asset base for potential reuse/licensing
  Contract negotiations

Joe will come back to us with an updated time line, but it is my expectation that we are still on the same schedule (we just begun week three) with possibly a week or so slippage.....contract negotiations will probably be the critical path.

We will send our cut at the actual time line here shortly. Thanks,

Peggy

(See attached file: accenture-dealpoints v2.doc)
- accenture-dealpoints v2.doc ');
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', 'rilmichaelis@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 MSX Platform Infrastructure 4.0.0 3177
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.

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

bjm30@earthlink.net

I hope all is well.

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

Shelley');
INSERT INTO email([from],[to],subject,body) VALUES('sara.davidson@enron.com', 'john.schwartzenburg@enron.com, scott.dieball@enron.com, recipients@enron.com', '2001 Enron Law Conference (Distribution List 2)', 'Enron Law Conference
San Antonio, Texas May 2-4, 2001 Westin Riverwalk

See attached memo for more details!!

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

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

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

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

I'll get it done today.

DG 3-9573

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

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

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

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

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

PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King
If you need to know their power desk to map their ID to their gas books, those desks are as follows:

EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King

I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.

Thanks for your help!

Casey

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

ds

');
INSERT INTO email([from],[to],subject,body) VALUES('mcominsky@aol.com', 'cpatman@bracepatt.com, james_derrick@enron.com', 'Jurisprudence Luncheon', 'Carrin & Jim --
It was an honor and a pleasure to meet both of you yesterday. I know we will
have fun working together on this very special event.

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

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

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

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com);
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben
Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB
rumor mill. Hope things are well, happy holidays.
PL');
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.

Thank you for your help on this.
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.....

ww.gorelieberman-2000.com');
INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,

I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248 ($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

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.
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

');
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 >>

'Centana', 'Talked to Chip. We do need Cash Committe approval given the netting feature of your deal, which means Batch Funding Request. Please update per my previous e-mail and forward.

Thanks
cris
x31666);

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);

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)
Chairperson: Outlook Migration Team

Detailed Description:

Justin Boyd told me that your can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks !

Best regards

Diana Seifert
EOL PCG

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/

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:
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

Variances detected.
Variances detected in Load schedule.

LOG MESSAGES:
--- Load Schedule ----

$$\text{Variance found in table tblLoads.}$$

- 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

';

```sql
INSERT INTO email([from],[to],subject,body) VALUES('john.postlethwaite@enron.com',
'john.zufferli@enron.com', 'Reference', 'John, hope things are going well up there for you. The big day is almost here for you and Jessica. I was wondering if I could use your name as a job reference if need be. I am just trying to get everything in order just in case something happens.

John');

INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '
This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

If you have not already signed up, please RSVP via email to litebytz@enron.com by the end of the day Tuesday, June 5, 2001.

*Remember: this is now a Brown Bag Event--so bring your lunch and we will provide cookies and drinks.

Click below for more details.

http://home.enron.com:84/messaging/litebytztoolzprint.jpg');

} `}
```
do_test fts3ac-1.2 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'mark'
} 
{6 17 25 38 40 42 73 74}
do_test fts3ac-1.3 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'susan'
} 
{24 40}
do_test fts3ac-1.4 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'mark susan'
} 
{40}
do_test fts3ac-1.5 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'susan mark'
} 
{40}
do_test fts3ac-1.6 
execsql 
  SELECT rowid FROM email WHERE email MATCH '"mark susan"'
} 
{}
do_test fts3ac-1.7 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'mark -susan'
} 
{6 17 25 38 42 73 74}
do_test fts3ac-1.8 
execsql 
  SELECT rowid FROM email WHERE email MATCH '-mark susan'
} 
{24}
do_test fts3ac-1.9 
execsql 
  SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
} 
{6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts3ac-2.1 
execsql 
  SELECT rowid, offsets(email) FROM email
WHERE email MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.2 {
execsql {
  SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}
do_test fts3ac-2.3 {
execsql {
  SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
}
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.4 {
execsql {
  SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8}}
do_test fts3ac-2.5 {
execsql {
  SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
}
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts3ac-3.1 {
execsql {
  SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
}
} {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 {

execute { 
SELECT snippet(email) FROM email
WHERE email MATCH 'subject:gas reminder'
}
} [{Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> <b>Reminder</b>}
do_test fts3ac-4.2 { 
execute { 
SELECT snippet(email) FROM email
WHERE email MATCH 'christmas candlelight'
}
} [{<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 { 
execute { 
SELECT snippet(email) FROM email
WHERE email MATCH 'deal sheet potential reuse'
}
} [{EOL-Accenture <b>Deal</b> <b>Sheet</b> asset base for <b>potential</b>/ <b>reuse</b>/ licensing
Contract negotiations
}
do_test fts3ac-4.4 { 
execute { 
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 { 
execute { 
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 { 
execute { 
SELECT snippet(email) FROM email
WHERE email MATCH 'chris is here'
}
} [{<b>...<b>.germany@enron.com" <b>bet this <b>is</b> next
to<b>...<b>about going <b>here</b> Christmas
eve<b>...<b>}
do_test fts3ac-4.7 { 
execute { 
SELECT snippet(email) FROM email
WHERE email MATCH "pursuant to"
}
} [{Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together...

```sql
do_test fts3ac-4.8 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
  }
} {{pete.davis@enron.com ... 3; No ancillary schedules awarded detected in Load schedule.

LOG...

# Combinations of AND and OR operators:
#
```
<html><title>SQLite Copyright Release Template</title>
<body bgcolor="white">
<h1 align="center">
Copyright Release for
Contributions To SQLite
</h1>

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SQLite is available for free download from http://www.sqlite.org/.
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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.
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deliberately contributed back to the SQLite website.
</p>

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1.410 jctools-core 1.2.1

1.411 iconv 2.17

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1.412 gax-go v2.0.5

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  jar/org/springframework/beans/PropertyValuesEditor.java
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  jar/org/springframework/beans/factory/support/BeanDefinitionResource.java
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1.421 sqlite 3.16.2 5+deb9u1

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1.422 curl 7.52.1-5+deb9u10

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### 1.423 logrus 1.4.2

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1.424 gosnmp 1.26.0
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1.425 logstash-filter-de_dot 1.0.4

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1.428 golang-lru v0.5.1

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1.430 zstd-jni 1.3.7-3

1.431 commons-beanutils 1.9.3

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1.435 bctls-jdk15on 1.61

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

Found in path(s):
* /opt/cola/permits/1142800344_1615477363.75/0/bctls-jdk15on-1-61-sources-2-jar/org/bouncycastle/tls/ProtocolName.java

1.436 libcap-ng 0.7.9 2

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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.

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
option="-check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srctop/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr
    make
}
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see http://www.sqlite.org/copyright.html
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgnamelperl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
}

check() {
  make test
}

package() {
  make DESTDIR="$pkgdir" install
  find "$pkgdir" ! (-name perllocal.pod -o -name .packlist) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa541f66eb3b8065ba65f4fefa1d6c9262728b3b6885 BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="${srcdir}/license-list-data-$pkgver"
subpackages="${pkgname}-list"
_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="${subpackages} ${pkgname}-${type}_subpkg"
done

build() {
    cd "${builddir}"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/${pkgname/-}}
    pkgdesc="${pkgdesc} ($type)"
    install_if="${pkgname}"
    mkdir -p "${subpkgdir}/usr/share/spdx"
    cp -r "${builddir}/${type}" "${subpkgdir}/usr/share/spdx/"
}

list() {
    pkgdesc="${pkgdesc} (licence list)"
    mkdir -p "${subpkgdir}/usr/share/spdx"
    local i; for i in ${builddir}/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "${subpkgdir}/usr/share/spdx/license.lst"
    done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bbba3400de7fd78b4b1d8a41deab4e461a5f1018f4869df93e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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

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

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

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Mortbay

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.

1.443 dgryski-go-metro v0.0.0-20180109044635-280f6062b5bc

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1.446 libxrender 0.9.10-r3

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1.447 hashicorp-serf v0.0.0-20161207011743-d3a67ab21bc8

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root
# 1.449 hashicorp-go-cleanhttp v0.5.1

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (a, b) => ... }`
val x: ((Int, Int) => Int) = (((a, b)) => a)

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
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Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... }`
val y: ((Int, Int) => Int) = (((a, !)) => a)

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
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Either create a single parameter accepting the Tuple3,
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val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

three errors found
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

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Assorted

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* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ValidatorFactory.java
* /opt/cola/permits/1135880235_1613624044.2/0/jakarta-validation-api-2-0-2-sources-3-
jar/javax/validation/ExecutableValidator.java
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1.494 census-instrumentation-opencensus-proto v0.2.1

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1.495 python-meld3 1.0.2-2

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- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

- Jorge Puente Sarrn, 2012-11-27

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 */

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 */

package datatypes
// no documentation yet

```go
// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity
}

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

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

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

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

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

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

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity
}

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

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

// no documentation yet
Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}
```

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 Portions of the client are based on code at:
 https://github.com/google/go-github/ and
 https://github.com/digitalocean/godo

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Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
akutz <sakutz@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbozhenko@fb.com>
Alvaro Miranda <kikitux@gmail.com>
amandahla <amanda.andrade@serpro.gov.br>
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla@vmware.com>
amit bezalel <amit.bezalel@hpe.com>
Andrew Chin <andrew@andrewtchin.com>
Anfernee Yongkun Gui <aguil@vmware.com>
aniketGslab <aniket.shinde@gslab.com>
Arran Walker <arran.walker@zopa.com>
Aryeh Weinreb <aryehweinreb@gmail.com>
Austin Parker <aparker@apprenda.com>
Balu Dontu <bdontu@vmware.com>
bastienbc <bastien.barbe.creuly@gmail.com>
Bob Killen <killen.bob@gmail.com>
Brad Fitzpatrick <bradfitz@golanc.org>
Bruce Downs <bruceadowns@gmail.com>
Cdrmic Blomart <cblomart@gmail.com>
Chris Marchesi <chrism@vancluevertech.com>
Christian HItje <docwhat@gefr.org>
Clint Greenwood <cgreenwood@vmware.com>
Danny Lockard <danny.lockard@banno.com>
Dave Tucker <dave@dtucker.co.uk>
Davide Agnello <dagnello@hp.com>
David Stark <dave@davidstark.name>
Deric Crago <deric.crago@gmail.com>
Doug MacEachern <dougm@vmware.com>
Eloy Coto <eloy.coto@gmail.com>
Eric Gray <egray@vmware.com>
Eric Yutao <eric.yutao@gmail.com>
Erik Hollensbe <github@hollensbe.org>
Fabio Rapposelli <fabio@vmware.com>
Faiyaz Ahmed <ahmedf@vmware.com>
forkbomber <forkbomber@users.noreply.github.com>
Gavin Gray <gavin@infinio.com>
Gavrie Philipson <gavrie.philipson@elastifile.com>
George Hicken <ghicken@vmware.com>
Gerrit Renker <Gerrit.Renker@ctl.io>
ghombare <ghombare@vmware.com>
Hasan Mahmood <mahmoodh@vmware.com>
Henrik Hodne <henrik@travis-ci.com>
Isaac Rodman <isaac@eyz.us>
Ivan Porto Carrero <icarrero@vmware.com>
Jason Kincl <jkincl@gmail.com>
Jeremy Canady <jcanady@jackhenry.com>
jeremy-clerc <jeremy@clerc.io>
Joo Pereira <joaoerp@gmail.com>
Jorge Sevilla <jorge.sevilla@rstor.io>
leslie-qiwa <leslie.qiwa@gmail.com>
Louie Jiang <jiangl@vmware.com>
Marc Carmier <mcarmier@gmail.com>
Matthew Cosgrove <matthew.cosgrove@dell.com>
Mevan Samaratunga <mevansam@gmail.com>
Nicolas Lamirault <nicolas.lamirault@gmail.com>
Omar Kohl <omarkohl@gmail.com>
Parham Alvani <parham.alvani@gmail.com>
Pieter Noordhuis <pnoordhuis@vmware.com>
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Sergey Ignatov <sergey.ignatov@jetbrains.com>
Steve Purcell <steve@sanityinc.com>
Takaaki Furukawa <takaaki.frkw@gmail.com>
tanishi <tanishi503@gmail.com>
Ted Zlatanov <tzz@lifelogs.com>
Thibaut Ackermann <thibaut.ackermann@alcatel-lucent.com>
Trevor Dawe <trevor.dawe@gmail.com>
Vadim Egorov <vegorov@vmware.com>
Volodymyr Bobyr <pupsua@gmail.com>
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Yang Yang <yangy@vmware.com>
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Zach Tucker <ztucker@vmware.com>
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>>> aws.awsd-snake-go.aws-master
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>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-http://github.com/hashicorp/go-cleanhttp
>>> hashicorp_memberlist-2.2.1-1.825b26e7e3589c601e38c3d3b9a48d

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>>> photon-release-2.0-2.ph2

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>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-2015.12.21-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.1.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libgmp-0.6.26-3.ph2
>>> libssh2-1.8.0-1.ph2
>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> lsdev-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssl-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcre-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
>>> vim-8.0.0533-6.ph2
>>> xz-5.2.3-2.ph2
>>> zlib-1.2.11-1.ph2
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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-6.ph2
>>> util-linux-2.32-1.ph2

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>>> bash-4.4.12-3.ph2
>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
>>> kmod-24-3.ph2
>>> libgcrypt-1.8.1-2.ph2
>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> gmp-6.1.2-2.ph2

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>>> glib-2.52.1-3.ph2
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>>> nspr-4.15-1.ph2
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>>> go-openapi_jsonpointer-779f45308c19820f1a69e9a4ed965f496e0da10f

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

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>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0d66e066a3a90a80

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Go-nfs-client version 0.1

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>>> godbus_dbus-230e4b23db2fd81e53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6e

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testdata\webkit\README

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+build appengine

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package short

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>>> curl-7.59.0-4.ph2

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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
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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Tim Kientzle, February 2009.

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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Bison implementation for Yacc-like parsers in C


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@version 3.0 (December 2000)

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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>>> pcre-8.41-1.ph2

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TH su 1 "18 August 1999" "GNU Shell Utilities 20"

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Author: Paul Slootman
(paul@wurtel.hobby.nl, paul@murphy.nl, paulS@toecompst.nl)
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```bash
>>> iproute2-4.10.0-3.ph2
```

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chkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
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SYN signatures. Those signatures work for SYN packets only (duh!).

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

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Written by David Howells (dhowells@redhat.com)

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

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page http://www.jhauser.us/arithmetic/SoftFloat-2b/SoftFloat-source.txt

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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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mkinstalldirs --- make directory hierarchy
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pmap.c - print process memory mapping
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2.32\misc-utils\uuidparse.c

uuidparse.c --- Interpret uuid encoded information. This program
violates the UUID abstraction barrier by reaching into the
guts of a UUID.

Based on libuuid/src/uuid_time.c
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2.32\login-utils\setpwnam.c
setpwnam.c -- edit an entry in a password database.
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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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

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

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

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

Thanks to "two guys named Ian".

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

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Python bindings for the libmount library.

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Bison implementation for Yacc-like parsers in C


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Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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

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

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

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kmod-insert - insert a module into the kernel.

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Heavily modified for GnuPG by Werner Koch

/  

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number generator. For usage conditions, see lib_rand.c

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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Version 3, 29 June 2007

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```
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```

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve
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Version 2.1, February 1999

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

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Version 3, 29 June 2007

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Version 2.0

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Version 1.1 - 26 February 2007
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```
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---------------------------------------

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Important Recommendations
-------------------------

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

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

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### 1.506 gentle-fs 2.3.1

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1.507 e2fsprogs 1.44.5 1+deb10u3

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===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
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Version 2, June 1991
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It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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

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

image:@$(BSD_LIB)

$(BSD_LIB): @$(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) @$(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \

'echo $(my_dir) | sed -e 's:lib/;"$\(BSD\_LIB\) $\(BSD\_LIB\);'

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL\_PROGRAM $(BSDLIB\_INSTALL\_DIR)/$(BSD\_LIB)"
@$(INSTALL\_PROGRAM) $(BSD\_LIB) \n$(DESTDIR)$(BSDLIB\_INSTALL\_DIR)/$(BSD\_LIB)
@-$(LD_CONFIG)

install-strip: install

install-shlibs\-strip: install\-shlibs

uninstall\-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB\_INSTALL\_DIR)/$(BSD\_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD\_LIB)
$(RM) -f ../$(BSD\_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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Gadi Oxman, August 1995
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1.508 logstash-core-plugin-api 2.1.16

1.508.1 Available under license:

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

gem.license = "Apache License (2.0)"

Found in path(s):
* /opt/cola/permits/1159402293_1623177121.05/0/logstash-core-plugin-api-2-1-16-java-gem/data-tar-gz/logstash-core-plugin-api.gemspec
No license file was found, but licenses were detected in source scan.

--- !ruby/object:Gem::Specification
   name: logstash-core-plugin-api
   version: !ruby/object:Gem::Version
      version: 2.1.16
   platform: java
   authors:
     - Elastic
   autorequire:
   bindir: bin
   cert_chain: []
   date: 2016-09-22 00:00:00.000000000 Z
   dependencies:
     - !ruby/object:Gem::Dependency
       requirement: !ruby/object:Gem::Requirement
          requirements:
           - '>='
             - !ruby/object:Gem::Version
               version: 5.0.0.pre.beta1
           name: logstash-core
           prerelease: false
           type: :runtime
       version_requirements: !ruby/object:Gem::Requirement
          requirements:
           - '>='
             - !ruby/object:Gem::Version
               version: 5.0.0.pre.beta1
   description: Logstash plugin API
   email:
     - info@elastic.co
executables: []
extensions: []
extras_rdoc_files: []
files:
  - lib/logstash-core-plugin-api/version.rb
  - logstash-core-plugin-api.gemspec
licenses:
  - Apache License (2.0)
metadata: {}
post_install_message:
rdoc_options: []
require_paths:
  - lib
required_ruby_version: !ruby/object:Gem::Requirement
requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'
required_rubys_version: !ruby/object:Gem::Requirement
requirements:
  - - ">="
    - !ruby/object:Gem::Version
      version: '0'
requirements: []
rubyforge_project:
rubygems_version: 2.4.8
signing_key:
specification_version: 4
summary: Define the plugin API that the plugin need to follow.
test_files: []

Found in path(s):
  */opt/cola/permits/1159402293_1623177121.05/0/logstash-core-plugin-api-2-1-16-java-gem/metadata-gz/metadata

1.509 guava 18.0

1.510 logstash-input-http_poller 4.0.5

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Alexander Monakov
Andre McCurdy
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Anthony G. Basile
Aric Belsito
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1.521 minimist 1.2.5

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1.522 hailocab-go-hostpool v0.0.0-20160125115350-e80d13ce29ed

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1.523 proto-list 1.2.4
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1.524 e2fsprogs 1.46.2-1~bpo10+2
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file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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```
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

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

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

image:	$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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when it starts in an interactive mode:

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

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

http://sourceforge.net/projects/e2fsprogs

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

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/
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Gadi Oxman, August 1995

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1.527 pkgconf 1.6.3-r0

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<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samuel A. Falvo II</td>
<td><a href="mailto:sam.falvo@rackspace.com">sam.falvo@rackspace.com</a></td>
</tr>
<tr>
<td>Glen Campbell</td>
<td><a href="mailto:glen.campbell@rackspace.com">glen.campbell@rackspace.com</a></td>
</tr>
<tr>
<td>Jesse Noller</td>
<td><a href="mailto:jesse.noller@rackspace.com">jesse.noller@rackspace.com</a></td>
</tr>
<tr>
<td>Jon Perritt</td>
<td><a href="mailto:jon.perritt@rackspace.com">jon.perritt@rackspace.com</a></td>
</tr>
<tr>
<td>Ash Wilson</td>
<td><a href="mailto:ash.wilson@rackspace.com">ash.wilson@rackspace.com</a></td>
</tr>
<tr>
<td>Jamie Hannaford</td>
<td><a href="mailto:jamie.hannaford@rackspace.com">jamie.hannaford@rackspace.com</a></td>
</tr>
<tr>
<td>Don Schenck</td>
<td><a href="mailto:don.schenck@rackspace.com">don.schenck@rackspace.com</a></td>
</tr>
<tr>
<td>Joe Topjian</td>
<td><a href="mailto:joe@topjian.net">joe@topjian.net</a></td>
</tr>
</tbody>
</table>

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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@google.com>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Nick Craig-Wood <nickcw@gmail.com>
Scott Van Woudenberg <scottvw@google.com>
Takashi Matsuo <tmatsuo@google.com>

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package github

import "fmt"

// LicensesService handles communication with the license related
// methods of the GitHub API.
type LicensesService struct {
    client *Client
}

// License represents an open source license.
type License struct {
    Key  *string `json:"key",omitempty`  
    Name *string `json:"name",omitempty`  
    URL  *string `json:"url",omitempty`  
    HTMLURL        *string `json:"html_url",omitempty`  
    Featured       *bool  `json:"featured",omitempty`  
    Description    *string `json:"description",omitempty"`  
    Category       *string `json:"category",omitempty"`  
    Implementation *string `json:"implementation",omitempty"`  
    Required       *[]string `json:"required",omitempty"`  
    Permitted      *[]string `json:"permitted",omitempty"`  
    Forbidden      *[]string `json:"forbidden",omitempty"`  
    Body           *string `json:"body",omitempty"`  
}
func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List() ([]License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    return *licenses, resp, err
}

// TODO: remove custom Accept header when this API fully launches
req.Header.Set("Accept", mediaTypeLicensesPreview)

licenses := new([]License)
resp, err := s.client.Do(req, licenses)
if err != nil {
    return nil, resp, err
}
return *licenses, resp, err

// Fetch extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }
    // TODO: remove custom Accept header when this API fully launches
    req.Header.Set("Accept", mediaTypeLicensesPreview)

    license := new(License)
    resp, err := s.client.Do(req, license)
    if err != nil {
        return nil, resp, err
    }
    return license, resp, err
}
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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package github

import (
    "fmt"
    "net/http"
    "reflect"
    "testing"
)

func TestLicensesService_List(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprintf(w, `[{"key":"mit","name":"MIT","url":"https://api.github.com/licenses/mit"}]`)})

    licenses, _, err := client.Licenses.List()
    if err != nil {
        t.Errorf("Licenses.List returned error: %v", err)
    }

    want := []License{License{
        Key: String("mit"),
        Name: String("MIT"),
        URL:  String("https://api.github.com/licenses/mit"),
    }}
if !reflect.DeepEqual(licenses, want) {
    t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
}
}

func TestLicensesService_Get(t *testing.T) {
    setup()
    defer teardown()

    mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        testHeader(t, r, "Accept", mediaTypeLicensesPreview)
        fmt.Fprint(w, `{"key":"mit","name":"MIT"}
    })
}

license, _, err := client.Licenses.Get("mit")
if err != nil {
    t.Errorf("Licenses.Get returned error: %v", err)
}

want := &License{Key: String("mit"), Name: String("MIT")}
if !reflect.DeepEqual(license, want) {
    t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
}
}

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
    _, _, err := client.Licenses.Get("%")
    testURLParseError(t, err)
}

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1.530 assertj-core 3.11.1

1.531 x-term v0.0.0-20201117132131-f5c789dd3221

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1.532 tcp-wrappers 7.6 77.el7

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1.545 hostname 3.21

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1.546 debug 4.3.1

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1.547 jsonassert 1.5.0
1.548 x-time-rate v0.0.0-20190308202827

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1.549 rocksdbjni 5.7.3

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Dave Cheney <dave@cheney.net>
Saulius Gurklys <s4uli5@gmail.com>
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1.557 parent-join-client 6.8.12

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

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* java.sun.security.ssl

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

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1.560 x-time-rate v0.0.0-20200416051211

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1.562 docker v1.4.2-0.20170802015333

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goproperties - properties file decoder for Go

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Gocheck - A rich testing framework for Go
package cmd

import "strings"

//Licenses contains all possible licenses a user can chose from
var Licenses map[string]License

//License represents a software license agreement, containing the Name of
//the license, its possible matches (on the command line as given to cobra)
//the header to be used with each file on the file's creating, and the text
// of the license

type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

// given a license name (in), try to match the license indicated
func matchLicense(in string) string {
    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(in, match) {
                return key
            }
        }
    }
    return ""
}

func init() {
    Licenses = make(map[string]License)

    Licenses["apache"] = License{
        Name: "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `// Licensed under the Apache License, Version 2.0 (the "License");
// you may not use this file except in compliance with the License.
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//    http://www.apache.org/licenses/LICENSE-2.0
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source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2\n"

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default_prepare
}

prepare()
update_config_sub

build()
./configure \n  --build=$CBUILD \n  --host=$CHOST \n  --prefix=/usr
make
}

package()
make DESTDIR="$pkgdir" install
}

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build()
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# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
    default_prepare

    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {

make DESTDIR="${pkgdir}" install
find "${pkgdir}" \(-name perllocal.pod\ -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa517f663b8065ba65f4f94a16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="Spkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/"$type" "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0ecb2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e61a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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1.583 asm-commons 5.0.4

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 */
/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 * @throws IllegalStateException
 *    If a subclass calls this constructor.
 */

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*/opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
jar/org/objectweb/asm/util/Textifier.java
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*/
/**
* Creates a new {AnalyzerAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
* constructor.
*
* @param owner
*   the owner's class name.
* @param access
*   the method's access flags (see {Opcodes}).
* @param name
*   the method's name.
* @param desc
*   the method's descriptor (see {Type}).
* @param mv
*   the method visitor to which this adapter delegates calls. May
*   be {null}.
* @throws IllegalStateException
  *             If a subclass calls this constructor.
  */

Found in path(s):
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
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  jar/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/TypePath.java

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*/
/**
 * Constructs a new LocalVariableAnnotationNode. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See TypeReference.
 *
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * null if the annotation targets 'typeRef' as a whole.
 *
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 *
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 *
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 *
 * @param desc
 * the class descriptor of the annotation class.
 */

Found in path(s):
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asem/tree/LineNumberNode.java
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  jar/org/objectweb/asem/tree/AbstractInsnNode.java
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  jar/org/objectweb/asem/tree/analysis/Frame.java
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  jar/org/objectweb/asem/tree/analysis/AnalyzerException.java
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  jar/org/objectweb/asem/util/CheckAnnotationAdapter.java
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  jar/org/objectweb/asem/util/TraceMethodVisitor.java
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  jar/org/objectweb/asem/optimizer/ConstantPool.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asem/MethodWriter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asem/Label.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asem/tree/IntInsnNode.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/util/CheckClassAdapter.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/common/TableSwitchGenerator.java
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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-jar/org/objectweb/asm/optimizer/Shrinker.java
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 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/tree/analysis/package.html
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/package.html
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/signature/package.html

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* Create a new JSRInliner. <i>Subclasses must not use this constructor</i>. Instead, they must use the
* method: \{ @link JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[]) \}
* version.
*
* @param mv
* the MethodVisitor to send the resulting inlined method code to (use null for none).
*
* @param access
* the method's access flags (see \{ @link Opcodes \}). This parameter also indicates if the method is synthetic and/or
* deprecated.
*
* @param name
* the method's name.
*
* @param desc
* the method's descriptor (see \{ @link Type \}).
*
* @param signature
* the method's signature. May be null.
*
* @param exceptions
* the internal names of the method's exception classes (see \{ @link Type#getName() \}). May be
* null.
*
* @throws IllegalArgumentException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/113640724_1613762512.76/0/asm-commons-5-0-4-sources-4-
  jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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

Found in path(s):
* /opt/cola/permits/1136404724_1613762512.96/0/asm-commons-5-0-4-sources-4-
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1.586 slop 3.6.0

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Gocheck - A rich testing framework for Go

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1.588 sorted-object 2.0.1

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1.594 ncurses 6.1_p20190518-r0

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import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
 * A <code>CopyingRangeMarker</code> can be used to track positions when executing
 * text edits. Additionally a copying range marker stores a local copy of the
 * text it captures when it gets executed.
 *
 * @since 3.0
 */
public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
 * Creates a new <tt>CopyRangeMarker</tt> for the given
 * offset and length.
 *
 * @param offset the marker's offset
 * @param length the marker's length
 */
public CopyingRangeMarker(int offset, int length) {
    super(offset, length);
}
private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText = other.fText;
}

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}

/* @see TextEdit#accept0 */
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 */
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText = document.get(getOffset(), getLength());
    fDelta = 0;
    return fDelta;
}

/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
    return false;
}

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1.616 python 2.7.13 2+deb9u3

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
---------------

The `random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
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Sockets
-------

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

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test_epoll

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1.620 kexec-tools 2.0.15-51.el7_9.1

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1.628 google-go-cmp v0.5.2

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1.629 jetty-servlets 9.4.16.v20190411
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Eclipse

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

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

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

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Oracle

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

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

-----

Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by
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1.630 giflib 5.2.1-r0

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1.631 spring-expression 5.1.6

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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/ast/MethodReference.java
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  jar/org/springframework/expression/spel/ast/OperatorBetween.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/spel/SpelCompilerMode.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/spel/standard/SpelExpressionParser.java

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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/ExpressionInvocationTargetException.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/common/TemplateParserContext.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/MethodResolver.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/ast/Identifier.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/standard/Tokenizer.java
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* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/standard/Tokenizer.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-jar/org/springframework/expression/spel/support/BooleanTypedValue.java
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jar/org/springframework/expression/spel/CodeFlow.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/FloatLiteral.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/StringLiteral.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/OpGT.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/TypeCode.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/TypedValue.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/SpelMessage.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/ast/SpelNode.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1.jar/org/springframework/expression/spel/SpelNode.java

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  jar/org/springframework/expression/spel/InternalParseException.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/MethodFilter.java
* /opt/cola/permits/1001070965_1610650186.2/0/spring-expression-5-1-6-release-sources-1-
  jar/org/springframework/expression/TypeLocator.java
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1.637 node.js 8.14.0-r0

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# spdx-license-ids

A list of [SPDX license](https://spdx.org/licenses/) identifiers

[**Download JSON**](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids.json)

## Use as a JavaScript Library

[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

##### [npm](https://www.npmjs.com/)

```sh
npm install spdx-license-ids
```

##### [bower](http://bower.io/)

```sh
```

[Open Source Used In MSX Platform Infrastructure 4.0.0 5202]
```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```

### Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

### API

#### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ... ]
```

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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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var assert = require('assert')

var firstAST = {
  left: { license: 'LGPL-2.1' },
  conjunction: 'or',
  right: {
    left: { license: 'BSD-3-Clause' },
    conjunction: 'and',
    right: { license: 'MIT' } } }

assert.deepEqual(parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'), firstAST)

var secondAST = {
  left: { license: 'MIT' },
  conjunction: 'and',
  right: {
    left: {
      license: 'LGPL-2.1',
      plus: true },
    conjunction: 'and',
    right: { license: 'BSD-3-Clause' } } }

assert.deepEqual(parse('MIT AND (LGPL-2.1 OR BSD-3-Clause)'), secondAST)
```
assert.deepEqual(
parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
secondAST)

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
assert.deepEqual(
parse(id),
{ license: id })
require('spdx-exceptions').forEach(function(e) {
assert.deepEqual(
parse(id + ' WITH ' + e),
{ license: id, exception: e })})
```
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var assert = require('assert);

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assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
```

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
=======================================================================
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validate-npm-package-license

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

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
``` 

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
``` 

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>"',
      'license is similar to the valid expression "Apache-2.0"'
    ]
  }
);
``` 

SPDX expressions are valid, too ...
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('GPL-3.0 OR BSD-2-Clause'),
  validSPDXExpression
);

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"',
  ],
};

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('MIT OR LicenseRef-Made-Up'),
  warningAboutLicenseRef
);
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);
```

...
valid('SEE LICENSE IN license.md'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
}
);
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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1.639 x-tools v0.0.0-20200702044944-0cc1aa72b347

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package copyright

import (
    "os"
    "path/filepath"
    "strings"
    "testing"
)

func TestToolsCopyright(t *testing.T) {
    cwd, err := os.Getwd()
    if err != nil {
        t.Fatal(err)
    }
    tools := filepath.Dir(cwd)
    if !strings.HasSuffix(filepath.Base(tools), "tools") {
        t.Fatal("current working directory is %s, expected tools", tools)
    }
    files, err := checkCopyright(tools)
    if err != nil {
        t.Fatal(err)
    }
    if len(files) > 0 {
        t.Errorf("The following files are missing copyright notices:
        %s", strings.Join(files, "\n"))
    }
}
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//go:generate ./gen-licenses.sh licenses.go
package hooks

const licensesText = `-- github.com/BurntSushi/toml COPYING --
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```
const licensesGeneratedFrom = "029a0f934a7bad22a7d47185055bc554b1ea23ce427351caa87d9a088fcfba4e"
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// Package copyright checks that files have the correct copyright notices.
package copyright

import (  
    "go/ast"  
    "go/parser"  
    "go/token"  
    "io/ioutil"  
    "os"  
    "path/filepath"  
    "regexp"  
    "strings"
)

func checkCopyright(dir string) [][]string, error {  
    var files [][]string

err := filepath.Walk(dir, func(path string, info os.FileInfo, err error) error {
    if err != nil {
        return err
    }
    if info.IsDir() {
        // Skip directories like ".git".
        if strings.HasPrefix(info.Name(), ".") {
            return filepath.SkipDir
        }
        return nil
    }
    needsCopyright, err := checkFile(dir, path)
    if err != nil {
        return err
    }
    if needsCopyright {
        files = append(files, path)
    }
    return nil
})
return files, err

var copyrightRe = regexp.MustCompile(`Copyright \d{4} The Go Authors. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.`)

func checkFile(toolsDir, filename string) (bool, error) {
    // Only check Go files.
    if !strings.HasSuffix(filename, "go") {
        return false, nil
    }
    // Don't check testdata files.
    normalized := strings.TrimPrefix(filepath.ToSlash(filename), filepath.ToSlash(toolsDir))
    if strings.Contains(normalized, "/testdata/" ) {
        return false, nil
    }
    // goyacc is the only file with a different copyright header.
    if strings.HasSuffix(normalized, "cmd/goyacc/yacc.go") {
        return false, nil
    }
    content, err := ioutil.ReadFile(filename)
    if err != nil {
        return false, err
    }
    fset := token.NewFileSet()
    parsed, err := parser.ParseFile(fset, filename, content, parser.ParseComments)
    if err != nil {

return false, err

// Don't require headers on generated files.
if isGenerated(fset, parsed) {
    return false, nil
}

shouldAddCopyright := true
for _, c := range parsed.Comments {
    // The copyright should appear before the package declaration.
    if c.Pos() > parsed.Package {
        break
    }
    if copyrightRe.MatchString(c.Text()) {
        shouldAddCopyright = false
        break
    }
}

return shouldAddCopyright, nil

// Copied from golang.org/x/tools/internal/lsp/source/util.go.
// Matches cgo generated comment as well as the proposed standard:
// https://golang.org/s/generatedcode
var generatedRx = regexp.MustCompile(`// .*DO NOT EDIT\.?`)

func isGenerated(fset *token.FileSet, file *ast.File) bool {
    for _, commentGroup := range file.Comments {
        for _, comment := range commentGroup.List {
            if matched := generatedRx.MatchString(comment.Text); !matched {
                continue
            }
            // Check if comment is at the beginning of the line in source.
            if pos := fset.Position(comment.Slash); pos.Column == 1 {
                return true
            }
        }
    }
    return false
}

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package hooks
import (
    "crypto/sha256"
    "encoding/hex"
    "io/ioutil"
    "testing"
)

func TestLicenses(t *testing.T) {
    sumBytes, err := ioutil.ReadFile("../go.sum")
    if err != nil {
        t.Fatal(err)
    }
    sumSum := sha256.Sum256(sumBytes)
    if licensesGeneratedFrom != hex.EncodeToString(sumSum[:]) {
        t.Error("combined license text needs updating. Run: `go generate ./internal/hooks` from the gopls module.")
    }
}

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the system specific ports.
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Info-ZIP's UnZip code.

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There are currently two explicit copyrights on portions of UnZip
code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans'
MacBinaryIII coding code (for the MacOS port).. These copyrights
are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered
by the new Info-ZIP license. For details, please read the accompany file LICENSE. The terms and conditions in this license supersed the
copyright conditions of the contributions by Igor Mandrichenko
(vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c),
Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket
UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompresseion
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Frequently Asked Questions regarding (re)distribution of Zip and UnZip
are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys
claims a patent on LZW encoding and on LZW decoding _in an apparatus
that performs LZW encoding_, but the patent appears to exempt a stand-
alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed
otherwise, but the issue has never been tested in court. Since this
point is unclear, unshrinking is not enabled by default. It is the
responsibility of the user to make his or her peace with Unisys and
its licensing requirements. (unshrink.c may be removed from future
releases altogether.)

The original unzip source code has been extensively modified and
almost entirely rewritten (changes include random zipfile access
rather than sequential; replacement of unimplode() with explode();
replacement of old unshrink() with new (unrelated) unshrink(); re-
placement of output routines; addition of inflate(), wildcards,
filename-mapping, text translation, ...; etc.). As far as we can
tell, only the core code of the unreduce method remained substantially
similar to Mr. Smith's original source. As of UnZip 5.42, the complete
core code is now covered by the Info-ZIP Licence. Therefore, support
for the reduce method has been removed.
The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBUT in the source distribution for a much
more complete list of contributors.
The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

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* James Turnbull (jamtur01)
* John E. Vincent (lusis)
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/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see {@link Opcodes}). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
*     the method's descriptor (see [link Type]).
* @param signature
*     the method's signature. May be <tt>null</tt>.
* @param exceptions
*     the internal names of the method's exception classes (see
*     (link Type#getInternalName() getInternalName)). May be
*     <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

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

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 */
/**
 * Constructs a new [*link Textifier*]. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

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

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1.655 p11-kit 0.23.15-2+deb10u1

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1.679 x-net v0.0.0-20201110031124-69a78807bb2b

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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.

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fbopenssl

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* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
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* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-
jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java

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* /opt/cola/permits/113888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/metrics/ByteThroughputHelper.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/EncodingScheme.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/Base16Codec.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/util/Throwables.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/event/SyncProgressListener.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/auth/profile/BasicProfileConfigLoader.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/event/request/ProgressSupport.java
* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/event/ProgressTracker.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1.jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/event/ProgressEventFilter.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/auth/profile/internal/AWS4SignerUtils.java

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jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
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 * /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1.11-406-sources-1.jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
 * /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1.11-406-sources-1.jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java
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  jar/com/amazonaws/util/BasicNameValuePair.java
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* /opt/cola/permits/1138888550_1614360414.45/0/aws-java-sdk-core-1-11-406-sources-1-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryPolicy.java

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

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

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The End

1.711 libasyncns 0.8
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case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
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Matthew Whisenhunt <matt.whisenhunt@gmail.com>
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Nick Craig-Wood <nickcw@gmail.com>
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package api

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(\.\)*( All rights reserved\.)\*(//|#) Use of this source code is governed by a BSD-style`)
// Copyright

// A few files have to be skipped.
var skip = map[string]bool{
  "tools.go": true, // This file requires another comment above the license.
  "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
  "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if skip[path] {
      return nil
    }

    if err != nil {
      return err
    }

    if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
      return nil
    }

    src, err := ioutil.ReadFile(path)
    if err != nil {
      return nil
    }

    // Verify that the license is matched.
    if !sentinel.Match(src) {
      t.Errorf("%v: license header not present", path)
      return nil
    }

    // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
    if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
      t.Errorf("%v: license header not at the top", path)
    }
    return nil
  })
  if err != nil {
    t.Fatal(err)
  }
}
1.714 libnpmconfig 1.2.1

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1.715 net-tools 2.0 0.25.20131004git.el7

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Protocol Buffers for Go with Gadgets

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

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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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</head>
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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@gmail.com>
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Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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---

layout: "api"
page_title: "/sys/license - HTTP API"
sidebar_title: "<code>/sys/license</code>"
sidebar_current: "api-http-system-license"
The `/sys/license` endpoint is used to view and update the license used in Vault.

---

# `/sys/license`

-> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```json
{
  "data": {
    "expiration_time": "2017-11-14T16:34:36.546753-05:00",
    "features": [
      "UI",
      "HSM",
      "Performance Replication",
      "DR Replication"
    ],
    "license_id": "temporary",
    "start_time": "2017-11-14T16:04:36.546753-05:00"
  },
  "warnings": ["time left on license is 29m33s"]
}
```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - DR operation token used to authorize this request.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
  "text": "01ABCDEFG...
}
```

### Sample Request

```
$ curl
    --header "X-Vault-Token: ..."
    --request PUT
    --data @payload.json
    http://127.0.0.1:8200/v1/sys/license
```

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BSON library for Go

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mgo - MongoDB driver for Go

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.

// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"
    Path *string `json:"path,omitempty"

    SHA    *string `json:"sha,omitempty"
    Size   *int    `json:"size,omitempty"
    URL    *string `json:"url,omitempty"
    HTMLURL *string `json:"html_url,omitempty"
    GitURL  *string `json:"git_url,omitempty"
    DownloadURL *string `json:"download_url,omitempty"
    Type    *string `json:"type,omitempty"
    Content *string `json:"content,omitempty"
    Encoding *string `json:"encoding,omitempty"
    License *License `json:"license,omitempty"
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}
// License represents an open source license.
type License struct {
    Key  *string `json:"key",omitempty`  
    Name *string `json:"name",omitempty` 
    URL  *string `json:"url",omitempty"` 
    SPDXID         *string   `json:"spdx_id",omitempty"` 
    HTMLURL        *string   `json:"html_url",omitempty"` 
    Featured       *bool     `json:"featured",omitempty"` 
    Description    *string   `json:"description",omitempty"` 
    Implementation *string   `json:"implementation",omitempty"` 
    Permissions    *[]string `json:"permissions",omitempty"` 
    Conditions     *[]string `json:"conditions",omitempty"` 
    Limitations    *[]string `json:"limitations",omitempty"` 
    Body           *string   `json:"body",omitempty"` 
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    var licenses []License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }
    return licenses, resp, nil
}

// Get extended metadata for one license.
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }
    return nil, nil, err
}
license := new(License)
resp, err := s.client.Do(ctx, req, license)
if err != nil {
    return nil, resp, err
}
return license, resp, nil
}

Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
Tamir Duberstein <tamird@gmail.com>
Todd Eisenberger <teisenberger@dropbox.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Vyacheslav Kim <kane@sendgrid.com>
Walter Schulze <awalterschulze@gmail.com>

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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
return false
}

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1.742 faraday 0.9.2

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1.743 x-sys v0.0.0-20201214210602

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1.744 go-autorest v0.9.0

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1.746 path-to-regexp 0.1.7
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1.747 apache-log4j 1.2.17

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### 1.748 libxcb 1.13.1-r0

**1.748.1 Available under license:**

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url=https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
Open Source Used In MSX Platform Infrastructure 4.0.0 6161
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ff4d153f0be1bced746d64220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$_pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
default_prepare

export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

check() {
make test
}

package() {
make DESTDIR="$_pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}
SHA512SUMS="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
 dfa5417f663b8065ba6f5f4feae16de9262728b3b6b85" BSD-Resource-1.2911.tar.gz

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options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="Spkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
cd "$builddir"
}

package() {
mkdir -p "$pkgdir"
}

_subpkg() {

local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
  pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir"/usr/share/spdx
  local i; for i in "$builddir/text/*.txt"; do
    local license=${i##*/}
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
  done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32e01c60  license-list-data-3.8.tar.gz"

mini_sendmail - accept email on behalf of real sendmail

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@heading Appendix: How to Apply These Terms to Your New Programs

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

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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

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

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

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

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

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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.]

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

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

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

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

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

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

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

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

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

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

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

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

^L

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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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
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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
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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!
The gettext-runtime package is partially under the LGPL and partially under the GPL.

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

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

Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

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Version 3, 29 June 2007

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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1.757 ip 1.1.5

1.758 zlib 1.2.8

1.758.1 Available under license :

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

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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1.759 pester 1.1.0
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1.761 mitchellh-mapstructure v1.3.2

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1.762 mgo v2.0.0

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1.763 rc 1.2.8
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1.764 linux-kernel 3.10.0-1

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BSON library for Go

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mgo - MongoDB driver for Go

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---
layout: api
description: |-
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license

The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.
# License - Operator HTTP API

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

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

## Getting the Consul License

This endpoint gets information about the current license.

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

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

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

### Parameters

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

### Sample Request

```text
$ curl https://consul.rocks/v1/operator/license
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
  }
}
```
## Updating the Consul License

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

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

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

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

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

### Sample Payload
The payload is the raw license blob.

### Sample Request

```text
$ curl \
   --request PUT \ 
   --data @consul.license \ 
   https://consul.rocks/v1/operator/license 
```

### Sample Response

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

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// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity

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

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

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

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

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

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}
// no documentation yet
Id *int `json:"id",omitempty" xmlrpc:"id,omitempty"

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

// no documentation yet
Name *string `json:"name",omitempty" xmlrpc:"name,omitempty"

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Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Beitch <aaronb@arista.com>
Aaron Bieber <deftly@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <cannona@fireantproductions.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Patterson <tenderlove@ruby-lang.org>
Aaron Stein <aaroneinstein12@gmail.com>
Aaron Torres <tcboox@gmail.com>
Aaron Zinman <aaron@azinman.com>
Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <mymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Shelton <aashelt90@gmail.com>
Adam Sindelar <adamsh@google.com>
Adam Thomason <athomason@gmail.com>
Adam Williams <pwnfactory@gmail.com>
Adam Woodbeck <adam@woodbeck.net>
Adarsh Ravichandran <adarshravichandran91@gmail.com>
Aditya Harindar <aditya.harindar@gmail.com>
Aditya Mukerjee <dev@chimeracoder.net>
Adrian Hesketh <adrianhesketh@hushmail.com>
Adrian Nos <nos.adrian@gmail.com>
Adrian O'Grady <elpollouk@gmail.com>
Adrien Bustany <adrien-xx-google@bustany.org>
Adrien Delorme <adrien.delorme@icloud.com>
Adrien Petel <peteladrien@gmail.com>
Acio Jnior <aeciodantasjunior@gmail.com>
Aeneas Rekkas (arekkas) <aeneas@ory.am>
Afanasev Stanislav <sphpropogger@gmail.com>
Agis Anastasopoulos <agis.anast@gmail.com>
Agniva De Sarker <agnivade@yahoo.co.in>
Ahmed Wahed <oneofone@gmail.com>
Ahmet Alp Balkan <ahmetb@google.com>
Ahmet Soormally <ahmet@mangomm.co.uk>
Ahmy Yulrizka <yulrizka@gmail.com>
Ahsun Ahmed <ahmed.ahsun@gmail.com>
Aiden Scandella <ai@uber.com>
Ainar Garipov <gugl.zadolbal@gmail.com>
Aishraj Dahal <aishraj@users.noreply.github.com>
Akhil Indurti <aankindurtii@gmail.com>
Akihiro Suda <suda.kyoto@gmail.com>
Akshat Kumar <seed@mail.nanosouffle.net>
Al Cutter <al@google.com>
Alan Braithwaite <alan@ipaddr.org>
Alan Donovan <adonovan@google.com>
Alan Shreve <alan@inconshreveable.com>
Albert Nigmatzianov <albertnigma@gmail.com>
Albert Strasheim <fullung@gmail.com>
Albert Teoh <albert.teoh@gmail.com>
Albert Yu <yukinying@gmail.com>
Alberto Bertogli <albertito@blitiri.com.ar>
Alberto Donizetti <alb.donizetti@gmail.com>
Alberto Garcia Hierro <alberto@garciahierro.com>
Alec Benzer <alec.benzer@gmail.com>
Aleksa Sarai <cyphar@cyphar.com>
Aleksandar Dezeln <dezelin@gmail.com>
Aleksandr Lukinykh <a.lukinykh@xsolla.com>
Aleksandr Razumov <ar@cydev.ru>
Aleksseev Artem <a.artem060@gmail.com>
Alessandro Arzilli <alessandro.arzilli@gmail.com>
Alessandro Baffa <alessandro.baffa@gmail.com>
Alex A Skinner <alex@lx.lc>
Alex Brainman <alex.brainman@gmail.com>
Alex Bramley <abramley@google.com>
Alex Browne <stephenalexbrown@gmail.com>
Alex Buchanan <buchanace@gmail.com>
Alex Carol <alex.carol.c@gmail.com>
Alex Gaynor <alex@alloy.us>
Alex Harford <alex.harford@saucelabs.com>
Alex Jin <toalexjin@gmail.com>
Ali Farooq <ali.farooq0@pm.me>
Ali Rizvi-Santiago <arizvisa@gmail.com>
Aliaksandr Valialkin <valyala@gmail.com>
Alif Rachmawadi <subosito@gmail.com>
Allan Simon <allan.simon@supinfo.com>
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Alok Menghrajani <alok.menghrajani@gmail.com>
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Andr Carvalho <asantostc@gmail.com>
Andr Martins <aanm90@gmail.com>
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Andrei Gherzan <andre@resin.io>
Andrei Korzhevskii <a.korzhhevskiy@gmail.com>
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Andres Lowrie <andres.lowrie@gmail.com>
Andrew Austin <andrewacla@gmail.com>
Andrew Balholm <andybalholm@gmail.com>
Andrew Benton <andrewmbenton@gmail.com>
Andrew Bonventre <andybons@chromium.org>
Andrew Braunstein <awbraunstein@gmail.com>
Andrew Bursavich <abursavich@gmail.com>
Andrew Ekstedt <andrew.ekstedt@gmail.com>
Andrew Etter <andrew.etter@gmail.com>
Andrew G. Morgan <agm@google.com>
Andrew Gerrard <adg@golang.org>
Andrew Harding <andrew@spacemonkey.com>
Andrew Jackura <ajackura@gmail.com>
Andrew Louis <alouis@digitalocean.com>
Andrew Lutomirski <andy@luto.us>
Antoine Martin <antoine97.martin@gmail.com>
Anton Gyllenberg <anton@iki.fi>
Anton Kuklin <anton.a.kuklin@gmail.com>
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Arnout Engelen <arnout@bzzt.net>
Aron Nopanen <aron.nopanen@gmail.com>
Artem Alekseev <artem.alekseev@intel.com>
Artem Kolin <artemkaxboy@gmail.com>
Arthur Fabre <arthur@arthurfabre.com>
Arthur Khashaev <arthur@khashaev.ru>
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Arvindh Rajesh Tamilmani <art@a-30.net>
Ashish Gandhi <ag@ashishgandhi.org>
Asim Shankar <asimshankar@gmail.com>
Atin Malaviya <amalaviy@akamai.com>
Ato Araki <ato.araki@gmail.com>
Audrey Lim <audreylh@gmail.com>
Audrius Butkevicius <audrius.butkevicius@gmail.com>
Augusto Roman <aroman@gmail.com>
Aulus Egnatius Varialus <varialus@gmail.com>
Aurélien Rainone <aurelien.rainone@gmail.com>
Aurilio A. Heckert <aurium@gmail.com>
Austin Clements <austin@gmail.com> <aclements@csail.mit.edu>
Avi Flax <avi@timehop.com>
awaw fumin <awawfumin@gmail.com>
Awn Umar <awn@cryptolosophy.io>
Axel Wagner <axel.wagner.hh@googlemail.com>
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Ayke van Laethem <aykevanlaethem@gmail.com>
Aymerick Jhanne <aymerick@jehanne.org>
Azat Kaumov <kaumov.ar@gmail.com>
Baiju Muthukadan <baiju.m.mail@gmail.com>
Balaram Makam <bmakam.qdt@qualcommdatcenter.com>
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Bartosz Grzybowski <melkorm@gmail.com>
Bartosz Oler <brtsz@gmail.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <benhoyt@gmail.com>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
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Bill O'Farrell <billo@ca.ibm.com>
Bill Prin <waprin@google.com>
Bill Thiede <couchmoney@gmail.com>
Bill Zissimopoulos <billziss@navimatics.com>
Billie Harold Cleek <bhcleek@gmail.com>
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Billy Zaelani Malik <m.billyzaelani@gmail.com>
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Daniel Skinner <daniel@dasa.cc>
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Daniel Theophanes <kardianos@gmail.com>
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Daniela Petruzalek <daniela.petrzalek@gmail.com>
Danish Dua <danishdua@gmail.com>
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Darren McCleary <darren.rmc@gmail.com>
Darshan Parajuli <parajulidarshan@gmail.com>
Datong Sun <dndx@idndx.com>
Dave Borowitz <dborowitz@gmail.com>
Dave Bort <dbort@golang.org>
Dave Cheney <dave@cheney.net>
Dave Day <djd@golang.org>
Dave Grijialva <dgrijialva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Russell <forfuncsake@gmail.com>
David Anderson <danderson@gmail.com>
David Barnett <dbarnett@gmail.com>
David Benjamin <davidben@gmail.com>
David Bond <davidsbond93@gmail.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Carter <fresco.raja@gmail.com>
David Chase <dchase@gmail.com>
David Covert <davidhecovert@gmail.com>
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@gmail.com> <crawshaw@golang.org>
David du Colombier <0intro@gmail.com>
David Finkel <david.finkel@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Golden <david@autopragmatic.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
David Hubbard <dsp@gmail.com>
Eduardo Ramalho <eduardo.ramalho@gmail.com>
Eduardo Villaseor <evillasrmx@gmail.com>
Edward Muller <edwardam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <lists@eitanadler.com>
Eivind Uggdal <eivind@uggedal.com>
Elbert Flick <eflick@gmail.com>
Eldar Rakhimberdin <ibeono@gmail.com>
Elena Grahovac <elena.grahovac.me>
Eli Bendersky <eliben@gmail.com>
Elias Naur <mail@eliasnaur.com> <elias.naur@gmail.com>
Elliot Morrison-Reed <elliotmr@gmail.com>
Ellison Leao <ellisonleao@gmail.com>
Emerson Lin <linyintor@gmail.com>
Emil Hessman <emil@hessman.se>
Emil Mursalimov <mursalimovemeel@gmail.com>
Emilien Kenler <hello@emilienkenler.com>
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>
Emrecan Bati <emrecanbati@gmail.com>
Eno Compton <enocom@gmail.com>
Eoghan Sherry <ejsherry@gmail.com>
Eric Biggers <ebiggers@gmail.com>
Eric Brown <browne@vmware.com>
Eric Chiang <eric.chiang.m@gmail.com>
Eric Clark <zerohp@gmail.com>
Eric Daniels <eric@erdaniels.com>
Eric Engestrom <eric@engestrom.ch>
Eric Garrido <ekg.google.com>
Eric Koleda <ekoleda+devrel@gmail.com>
Eric Lagergren <ericscottlagergren@gmail.com>
Eric Milliken <emilliken@gmail.com>
Eric Pauley <eric@pauley.me>
Eric Ponce <tricokun@gmail.com>
Eric Rescorla <ekr@rtfm.com>
Eric Roshan-Eisner <eric.d.eisner@gmail.com>
Eric Rutherford <erutherford@gmail.com>
Eric Rykwalder <e.rykwalder@gmail.com>
Eric Tryzelaar <etryzelaar@gmail.com>
Erik Aigner <aigner.ek@gmail.com>
Erik Dubbelboer <erik@dubbelboer.com>
Erik St. Martin <alakriti@gmail.com>
Erik Staab <estaab@gmail.com>
Erik Westrup <erik.westrup@gmail.com>
Erin Masatsugu <erin.masatsugu@gmail.com>
Ernest Chiang <ernest.chiang@htc.com>
Erwin Oegema <blablaechthema@hotmail.com>
Esko Luontola <esko.luontola@gmail.com>
Jostein Stuhaug <js@solidsystem.no>
JP Sugarbroad <jpsugar@google.com>
JT Olds <jtolds@xnet5.com>
JT Olio <hello@jtolio.com>
Juan Carlos <juanjc@gmail.com>
Juan Pablo Civile <elementohb@gmail.com>
Jude Pereira <judepereira@gmail.com>
Jukka-Pekka Kekkonen <karatepekka@gmail.com>
Julia Hansbrough <flowerhack@gmail.com>
Julian Kornberger <jk+github@digineo.de>
Julian Pastarmov <pastarmovj@gmail.com>
Julian Phillips <julian@quantumfyre.co.uk>
Julian Tibble <julian.tibble@gmail.com>
Julie Qiu <julie@golang.org>
Julien Kauffmann <julien.kauffmann@freelan.org>
Julien Salleyron <julien.salleyron@gmail.com>
Julien Schmidt <google@julienschmidt.com>
Julio Montes <julio.montes@intel.com>
Jun Zhang <jim.zoumo@gmail.com>
Junda Liu <junda@celer.network>
Jungho Ahn <jhahn@google.com>
Junya Hayashi <ledmonster@gmail.com>
Juraj Sukop <sukop@users.noreply.github.com>
Jure Ham <jure.ham@zemanta.com>
Justin Gracenin <jgracenin@gmail.com>
Justin Li <git@justinli.net>
Justin Nu <nuss.justin@gmail.com>
Justyn Temme <justyntemme@gmail.com>
Kai Backman <kaib@golang.org>
Kai Dong <dokia2357@gmail.com>
Kai Trukenmiller <ktye78@gmail.com>
Kale Blankenship <kale@lemnisys.com>
Kaleb Elwert <kelwert@atlassian.com>
Kalman Bekesi <kalmanb@gmail.com>
Kamal Aboul-Hosn <aboulhosn@gmail.com>
Kamil Chmielewski <kamil.chm@gmail.com>
Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com>
Kamil Rytarowski <krytarowski@users.noreply.github.com>
Kang Hu <hukangustc@gmail.com>
Kanta Ebihara <kantaebihara@gmail.com>
Karan Dhiman <karandhi@ca.ibm.com>
Karel Pazdera <pazderak@gmail.com>
Karoly Negyesi <chx1975@gmail.com>
Karsten Khler <karsten.koehler95@gmail.com>
Karthik Nayak <karthik.188@gmail.com>
Kashav Madan <kshvmdn@gmail.com>
Kate Manson <kate.manson@izettle.com>
Katharine Berry <ktbry@gmail.com>
Magnus Hiie <magnus.hiie@gmail.com>
Maicon Costa <maiconscosta@gmail.com>
Mak Kolybabi <mak@kolybabi.com>
Maksym Trykur <maksym.trykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manigandan Dharmalingam <manigandan.jeff@gmail.com>
Manish Goregaokar <manishmail@gmail.com>
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>
Mansour Rahimi <rahimi.mnr@gmail.com>
Manu Garg <manugarg@google.com>
Manu S Ajith <neo@codingarena.in>
Manuel Mendez <mmendez534@gmail.com>
Marat Khabibullin <marat.khabibullin@jetbrains.com>
Marc Sanmiquel <marcsanmiquel@gmail.com>
Marc Weistroff <mweistroff.net>
Marc-Antoine Ruel <marc@chromium.org>
Marcel Edmund Franke <marcel.edmund.franke@gmail.com>
Marcel van Loluizen <mpvl@golang.org>
Marcelo Cantos <marcelo.cantos@gmail.com>
Marcelo E. Magallon <marcelo.magallon@gmail.com>
Marco Hennings <marco.hennings@freiheit.com>
Marcus Weiner <marcus.weiner@gmail.com>
Marcus Willock <crazcalm@gmail.com>
Marga Manterola <marga@google.com>
Mariano Cano <mariano@smallstep.com>
Marin Bai <marin.basic02@gmail.com>
Mario Arranz <marioarranzr@gmail.com>
Marius A. Eriksen <marius@grailbio.com>
Marius Nuennerich <mnu@google.com>
Mark Adams <mark@markadams.me>
Mark Bucciarelli <mkbucc@gmail.com>
Mark Glines <mark@glines.org>
Mark Harrison <marhar@google.com>
Mark Percival <m@mdp.im>
Mark Pulford <mark@kyne.com.au>
Mark Rushakoff <mark.rushakoff@gmail.com>
Mark Ryan <mark.d.ryan@intel.com>
Mark Severson <miquella@gmail.com>
Mark Theunissen <mark.theunissen@gmail.com>
Mark Villacampa <m@markvillacampa.com>
Mark Wolfe <mark@wolfe.id.au>
Mark Zavislak <zavislak@google.com>
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>
Marko Kevac <marko@kevac.org>
Marko Kungla <marko.kungla@gmail.com>
Marko Mikulicic <mkm@google.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nnby@columbia.edu>
Nikhil Benesch <nikhil.benesch@gmail.com>
Nikita Gillmann <nikita@n0.is> <ng0@n0.is>
Nikita Kryuchkov <nkryuchkov10@gmail.com>
Nikita Vanyasin <nikita.vanyasin@gmail.com>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpitko <nikolay@turpitko.com>
Nikson Kanti Paul <nikson.sust@gmail.com>
Nils Larsgrd <nilsmagnus@gmail.com>
Nir Soffer <nirsof@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Nishanth Shanmugham <nishanth.gerrard@gmail.com>
Noah Campbell <noahcampbell@gmail.com>
Noah Goldman <noahg34@gmail.com>
Noble Johnson <noblepoly@gmail.com>
Nodir Turakulov <nodir@yandex-team.ru>
Noel Georgi <git@frezbo.com>
Norberto Lopes <nlopes.ml@gmail.com>
Norman B. Lancaster <qbradq@gmail.com>
Nuno Cruces <ncruces@users.noreply.github.com>
Obeyda Djefal <djefobey@gmail.com>
Odin Ugedal <odin@ugedal.com>
Oleg Bulatov <dimage@yandex-team.ru>
Oleg Vakheta <helginet@gmail.com>
Oleku Konko <oleku.konko@gmail.com>
Oling Cat <olingcat@gmail.com>
Oliver Hookins <ohookins@gmail.com>
Oliver Powell <oliverpowell84@gmail.com>
Oliver Stenbom <oostenbom@pivotal.io>
Oliver Tonnhofer <olt@bogosoft.com>
Olivier Antoine <olivier.antoine@gmail.com>
Olivier Duperray <duperray.olivier@gmail.com>
Olivier Poitrey <rs@dailymotion.com>
Olivier Saingre <osaingre@gmail.com>
Omar Jarjur <ojarjur@google.com>
Oryan Moshe <iamoryanmoshe@gmail.com>
Osamu TONOMORI <osamingo@gmail.com>
zgr Kesim <oec-go@kesim.org>
Pablo Caderno <kaderno@gmail.com>
Pablo Lalloni <plalloni@gmail.com>
Pablo Rozas Larraondo <pablo.larraondo@anu.edu.au>
Pablo Santiago Blum de Aguiar <scorphus@gmail.com>
Padraig Kitterick <padraigkitterick@gmail.com>
Pallat Anchaleechamaikorn <yod.pallat@gmail.com>
Panos Georgiadis <pgeorgiadis@suse.de>
Thanatat Tamtan <acoshift@gmail.com>
The Hatsune Daishi <nao20010128@gmail.com>
Thiago Avelino <t@avelino.xxx>
Thiago Franosoi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>
Thomas Alan Copeland <talan.copeland@gmail.com>
Thomas Bonfort <thomas.bonfort@gmail.com>
Thomas Bouldin <inline@google.com>
Thomas Bruyelle <thomas.bruyelle@gmail.com>
Thomas Bushnell, BSG <tbushnell@google.com>
Thomas de Zeeuw <thomasdezeew@gmail.com>
Thomas Desrosiers <thomasdesr@gmail.com>
Thomas Habets <habets@google.com>
Thomas Kappler <tkappler@gmail.com>
Thomas Meson <zllak@hycik.org>
Thomas Symborski <thomas.symborski@gmail.com>
Thomas Wanielista <tomwans@gmail.com>
Thorben Krueger <thorben.krueger@gmail.com>
Thordur Bjornsson <thorduri@secnorth.net>
Tiago Queiroz <contato@tiago.eti.br>
Tianji Wu <the729@gmail.com>
Tianon Gravi <admwiggin@gmail.com>
Tilman Dilo <tilman.dilo@gmail.com>
Tim Cooijmans <timcooijmans@gmail.com>
Tim Cooper <tim.cooper@layeh.com>
Tim Ebringer <tim.ebringer@gmail.com>
Tim Heckman <t@heckman.io>
Tim Henderson <tim.tadh@gmail.com>
Tim Hockin <thockin@google.com>
Tim Mhlmann <muhlemmer@gmail.com>
Tim Swast <swast@google.com>
Tim Wright <tenortim@gmail.com>
Tim Xu <xiaoxubeii@gmail.com>
Timmy Douglas <timmyd983@gmail.com>
Timo Savola <timo.savola@gmail.com>
Timo Truyts <alkaloid.btx@gmail.com>
Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@google.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>
Tobias Klauser <tklauser@distanz.ch>
Toby Burress <kurin@google.com>
Todd Kulesza <tkulesza@google.com>
Todd Neal <todd@neal.org>
Todd Wang <toddwang@gmail.com>
Tom Anthony <git@tomanthony.co.uk>
Tom Bergan <tombergan@gmail.com>
Tom Heng <zhm20070928@gmail.com>
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#     Name <email address>
Raul Silvera <rsilvera@google.com>
Tipp Moseley <tipp@google.com>
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1.788 x-time-rate v0.0.0-20200630173020-3af7569d3a1e

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1.790 cockroachdb-apd v2.0.2

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1.791 go-yaml v2.4.0

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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): $(srcdir)/%.$(STATICCPPFLAGS) $(STATICCPPFLAGS) -o $@ $<

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## Dependency rules

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

%.d: $(srcdir)/%.cpp  
@echo "generating dependency information for $<"  
@$(SHELL) -ec "$'(GEN_DEPS.cc) $< \n  | sed \"%s/(\$\*\*\()\*\$\*\*\(.*\)\*\$\*\*/\1.o $@ : /g\" > $@; \n  [ -s $@ ] || rm -f $@'"  

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)  
$(RM) $@ && ln -s ${<F} $@  

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)  
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@  

## Bind internal references

# LDflags that pkgdata will use  
BIR_LDFLAGS= -Wl,-Bsymbolic  

# Dependencies [i.e. map files] for the final library  
BIR_DEPS=  

## Remove shared library 's'  
STATICPREFIX_WHEN_USED =  
STATIC_PREFIX =  

## End BSD-specific setup

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1.805 security-provider 1.3.0

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1.806 x-text v0.3.4

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1.807 v8 8.5.210.20

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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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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1.814 debuglog 1.0.1

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1.815 lmdb 0.9.22-1

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1.818 zlib 1.2.5

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

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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
Tamir Duberstein <tamird@gmail.com>
Todd Eisenberger <teisenberger@dropbox.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Vyacheslav Kim <kane@sendgrid.com>
Walter Schulze <awalterschulze@gmail.com>

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1.823 jwt-go v3.2.0

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## Source Code

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  jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
  jar/io/netty/handler/ssl/JdkAlpnSslEngine.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java

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1.832 glibc 2.24-11+deb9u3

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<li>Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>
<li>Matthew Mundy &lt;mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCSSS2ParametersGenerator.</li>
<li>Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.</li>
<li>Christian Breitenstrom &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket,
DetachedSignatureProcessor.</li>
<li>Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.</li>
<li>Nicola Scendoni &lt;nscendoni@064bavelpsi.it&gt; - patch to add sorting to CertPath validation.</li>
<li>Ville Skyttä &lt;ville.skyttä@064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
<li>Bruce Gordon &lt;bruce.gordon@064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
<li>Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
<li>Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.</li>
<li>Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgadillo &lt;javi@064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hakalaka &lt;joni.hakalaka@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
<li>Rolf Schillinger &lt;rolf@064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
<li>Sergey Bahtin &lt;Sergey.Bahtin@064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>
<li>Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiko Yamakana &lt;ymnk@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;julienpasquier@064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@064burnsecks.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvash@064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP
Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.

David M. Lee &lt;dmlee@crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.

Mike Dillon &lt;md5@604embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee &lt;dmlee@crossroads.com&gt; - implementation assistance with streaming CMS classes.

Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.

David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

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

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

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

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

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

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

CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute
certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for
improving compliance with the NIST CertPath tests.

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

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

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

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

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

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

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

  and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to
  BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP
  EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left
  encode method.

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

- Armin H&auml;ubl&liberlang &lt;arminh@064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX
  validation classes.

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

- Xavier Le Vouch &lt;xavier@064brittanysoftware.com&gt; - general code clean ups.

- Erik Tews &lt;e_tews@064c.f.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator,
  constant-time PKCS#1 decoding.

- Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC,
  and Noekeon. XTEA enhancements.

- Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in
  X509ObjectIdentifiers.

- Rui Joaquim &lt;ruijoaquim@064cc.isel.ipe.pt&gt; - initial implementation of RSA blinding for signatures.

- David Stacey &lt;DStacey@064allantgroup.com&gt; - addition of trust packet checking on revocation
  signatures in PGPSecretKeyRing.

- Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time"
  modifications for CRL and Sequence evaluation.

- Julius Davies &lt;juliusdavies@064gmail.com&gt; - additional modes and algorithm support in
  PEMReader.

- Matthias &lt;g@064rtner.de&gt; - GnuPG compatibility changes for PBESFileProcessor.

- Olga K&auml;lthler &lt;olga.kaethler@064hp-consulting.com&gt; - initial implementation of TeleTrusT EC
  curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

- Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and
  HC-256, optimisations for Salsa20.

- N&uacute;ria Mar&iacute; &lt;numaa@hotmail.com&gt; - patch for alternate data type recognition in
  CMSSignedDataParser.

- Janis Schuller &lt;js@064tzi.de&gt; - addition of NotationData packets for OpenPGP.

- Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider
support in CMS.</li><li>Mike StJohns &lt;mstjohns&#064;064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li><li>Ramon Keller &lt;ramon.keller&#064;064gm.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li><li>Mark Nelson &lt;mark&#064;064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li><li>Eugene Golushkov &lt;eugene_eff&#064;064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li><li>Julien Pasquier &lt;jiulienpasquier&#064;free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li><li>Peter Knopp &lt;tpknopp&#064;064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li><li>Jakub Gwozdz &lt;gwozdziu&#064;064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li><li>Bartosz Malkowski &lt;bmalkow&#064;064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li><li>Tal Yacobi &lt;tal.yacobi&#064;octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li><li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064;064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li><li>Andrey Pavlenko &lt;andrey.a.pavlenko&#064;064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li><li>J Ross Nicoll &lt;jrn&#064;064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li><li>Matthew Stevenson &lt;mavricknz&#064;064yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li><li>Gabriele Contini &lt;gcontini&#064;064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li><li>Roelof Naude &lt;roelof.naude&#064;064epius.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li><li>Patrick Peck &lt;peck&#064;064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li><li>Michael LeMay &lt;lemaymd&#064;064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li><li>Alex Dupre &lt;ale&#064;064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [BJA-102]</li><li>Michael Schoene &lt;michael&#064;064sgrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li><li>Ion Larrañaga &lt;ilarra&#064;s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li><li>Bob Kerns &lt;bob.kerns&#064;positscience.com&gt; - fix to hashCode for X509CertificateObject.</li><li>Stefan Meyer &lt;stefan.meyer&#064;064ewe.de&gt; - backport for PKIXCertPathValidotor and SMIMESignedMailReviewer.</li><li>Robert J. Moore &lt;Robert.J.Moore&#064;allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li><li>Rui Hodai &lt;rui&#064;064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li><li>Emir Bucalovic &lt;emir.bucalovic&#064;064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li><li>Torbjorn Svensson &lt;tobbe79&#064;064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li><li>Paul FitzPatrick &lt;bouncycastle_pfitz&#064;fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.
Henrik Andersson &lt;k.henrik.andersson&#064gmail.com&gt; addition of UniqueIssuerID to certificate generation.

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

Cagdas Cirit &lt;cagdascirit&#064gmail.com&gt; subjectAlternativeName fix for x.509CertStoreSelector.

Harakiri &lt;harakiri_23&#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.

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

Lothar Kimmersinger &lt;job&#064604kimmeringer.de&gt; verbose mode for ASN1Dump, support for DEREternal, DNS performance fix for S/MIME APL.

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

Thomas Castiglione &lt;castiglione&#064604au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.

Elisabetta Romani &lt;eromani&#064604sogei.it&gt; patch for recognising multiple counter signatures.

Robin Lundgren &lt;737luendgren&#064604gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec &lt;mormegil&#064604centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener &lt;antener_a&#064604gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.

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

Rolf Lindemann &lt;lindeusman&#064604trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov &lt;alexart.home&#064604gmail.com&gt; name look up patch for GOST-2001 parameters.

Mike Lyons &lt;mlyons&#064604layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSE EC naming conventions.

Chris Cole &lt;chris_h_cole&#064604yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek &lt;tom&#064604attack.cz&gt; added checking of Sender header to SignedMailValidator.

Michael &lt;enfau&#064604t-online.de&gt; correction of field error in getResponse method in CertRepMessage.

Trevor Perrin &lt;trevor&#064604cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.

Markus Kilarings &lt;markus&#064604primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis&#064604yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;mssmith&#064604cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio&#064604yahoo.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex&#064604birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant&#064604gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info&#064604frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan&#064604dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

ivo Matheis &lt;ti.matheis&#064604seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche&#064604gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf&#064604hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.
Alfonso Massa &lt;alfonso.massa@insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo@unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis@ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociski &lt;J.Sikocinski@gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSignedDataParser.

Liane Velten &lt;liane.velten@064hp-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@064tnge.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

Petr Petrov &lt;tpetrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth@WPECGLtYbVi8Rl6Y7Vz12Lvd2EUVW99v3yNV3IJWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b@064gahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidkeacute:n Borell &lt;samuel@064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner@064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memourable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha,
reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSD/Crypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d@064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy@064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev@064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome@064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio@064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi@064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric Mueller &lt;eric.mueller@sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts@064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov@064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

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

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

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

AxelVDB &lt;axel-vdb@064riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;@&gt; further work on completing gradle build.

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

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

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

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

Andreas Reiter &lt;andreas.reiter@064aiik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

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

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

Daniel Heldt &lt;Daniel.Heldt@064cryptovision.com&gt; Initial support for encodable state message.
Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.

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

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

KB Sriram &lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

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

Martin Schaan &lt;https://github.com/martinschaan&gt; contributed a code-clean-up patch.

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

Tobias Wich &lt;toibias.wich&#064cesec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrten &lt;hauke&#064hauke-m.de&gt; TLS patch to add ECDHE-ECDSA CCM ciphersuites from RFC 7251.

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

Jens Kapitzka &lt;j kapitzka&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.

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

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

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

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

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

lartigue Pierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.

Thomas Belot &lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.

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

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

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

Michael &lt;MSKnete&#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

Tobias Wagner &lt;toibias.wagner&#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [BJA-536].

Sergio Giro &lt;https://github.com/sgiro64google.com&gt; Fixed adding of additional stores from CRL distribution point [BJA-537]. Fixed missing null check for CRL certificate issuer [BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

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

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

Jan Willem Janssen &lt;j.w.janssen+bouncycastle&#064064ixtreme.nl&gt; Support for DSAParameters in
lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer@064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benito Charles &lt;benito.charles@064opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink95@064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
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<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.
DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGO-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>
<li>Scott Woodward &lt;scott#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>
<li>David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYP'T bounds checking.</li>
<li>chris mccown &lt;0xchrismccown#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li> Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
<li>Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal()</li>
<li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BePublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
<li>cathref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>
<li>Antoine Touilme &lt;https://github.com/atouilme&gt; Initial implementation of EthereumIESEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer@064truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>im-scooter &lt;https://github.com/im-scooter&gt; Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsgealy &lt;https://github.com/Gsgealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;ttobias@064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>

1.841 gjson 1.2.2

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1.842 jersey-entity-filtering 2.28

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1.854 serve-static 1.14.1

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1.855 semver 5.7.1

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^L

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That's all there is to it!
1.857 asm-tree 5.0.4

1.857.1 Available under license:

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 */
/**
 * Constructs a new [link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/util/Textifier.java
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* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb.asm/tree/LdcInsnNode.java
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* /opt/ cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/RemappingVisitor.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/Frame.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1136404780_1613763524.85/0/asm-tree-5-0-4-sources-5-jar/org/objectweb/asm/MethodVisitor.java

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* */
/**
 * Constructs a new [ClassNode]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [ClassNode(int)]
 * version.
 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * { @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See { @link TypeReference}.
 *
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 *
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 *
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 *
 * @param index
 * the local variable’s index in each range. This array must have
 * the same size as the 'start' array.
 *
 * @param desc
 * the class descriptor of the annotation class.
 */

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

Found in path(s):
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/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see {@link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { {@link Type#getInternalName()} getInternalName()}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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

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* Richard Pijnenburg (electrical)
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g Package (jaspell): http://jaspell.sourceforge.net/
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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
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and Edmond Nolan.

The Polish analyzer (stempel) comes with a default
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See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was
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1.862 prometheus-procfs v0.0.2

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.863 python 3.7.4

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 https://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 https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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+-----------------+--------------+------------+------------+-----------------+
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+=================+==============+============+============+=================+


Open Source Used In MSX Platform Infrastructure 4.0.0  6890
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Mersenne Twister
-----------------

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::
A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :
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-----------------------------

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Execution tracing
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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version is still 5 times faster, though.
- Arguments more compliant with Python standard

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The `xmlrpc.client` module contains the following notice:

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Select kqueue
-------------

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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
- Samuel Neves (supercop/crypto_auth/siphash24/little)
- djb (supercop/crypto_auth/siphash24/little2)
- Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
---------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice:

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cfuhash
-------

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All 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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
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DongYun Kang <ceram1000@gmail.com>
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1.881 opensaml-security-impl 3.3.0

1.882 netty-codec-http 4.1.32.Final

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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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*/

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Chad Walters <chad@powerset.com>
-TJSONProtocol for C++ and Java

Nitay <nitayj@gmail.com>
-Support for "make check"

William Morgan <w@adap.tv>
-Miscellaneous Ruby improvements

Ben Maurer <bmaurer@andrew.cmu.edu>
-Restructuring the way Autoconf is used

Patrick Collison <patrick@collison.ie>
-Smalltalk bindings

Dave Simpson <dave@powerset.com>
-Better support for connection tracking in the C++ server
-Miscellaneous fixes

Igor Afanasyev <afan@evernote.com>
-Perl HttpClient and bugfixes

Todd Berman <tberman@imeem.com>
-MinGW port of the compiler
-C# bindings
-MS build task

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Release 20070917
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Dave Engberg <engberg@gmail.com>
-JavaBean/JavaDoc enhancements

Andrew McGeachie <geechorama@gmail.com>
-Cocoa/Objective-C support

Ben Maurer <bmaurer@andrew.cmu.edu>
-Python performance enhancements, fastbinary support

Andrew Lutomirski <andy@luto.us>
-Added optional/required keywords for C++ objects
-Added comparison operators for C++ structs

Johan Oskarsson <johan@oksarsson.nu>
-Java findbugs compliance fixes

Paul Saab <ps@powerset.com>
-IPv6 support for TSocket in C++/Python

Kevin Clark <kevin@powerset.com>
-Significant overhaul of Ruby code generation and servers

Simon Forman <sforman@gmail.com>
-TProcessorFactory abstraction for Java servers

Jake Luciani <jakers@gmail.com>
-Perl code generation, libraries, test code

David Reiss <dreiss@stanford.edu>
-strings.h include fix for bzero
-endianness fixes on TBinaryProtocol double serialization
-improved ntohl, htonl implementation

Dan Li <dto@dev.java.net>
-Java TestServer and Tutorial Fixes

Kevin Ko <kevin.s.ko@gmail.com>
-Fix for unnecessary std::string copy construction in Protocol/Exception

Paul Querna <pquerna@apache.org>
-Autoconf error message fix for libevent detection
-clock_gettime implementation for OSX

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lib/kdb/kdb_log.c
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1.914 alpine-baselayout 3.1.0-r2

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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
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1.943 libxtst 1.2.3-r3

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```bash
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() { 
  update_config_sub
  default_prepare
}

build() { 
  ./configure 
```
--build=$CBUILD \ 
--host=$CHOST \ 
--prefix=/usr 
make 
}

package() {
make DESTDIR="$pkgdir" install 
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7 6654309e001ae9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
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pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="${srctdir}/${_pkgname}-${pkgver}

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build() {
python3 setup.py build 
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fd15 3f0be1bed746464220d40d9d4d1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"
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# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>

pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4

pkgdesc="Perl extension implements the BSD process resource limit functions"

url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"

source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare

    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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license="CC-BY-3.0"
sourcename="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

atypes="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $atypes; do
subpackages="$subpackages $pkgname-$type:_subpkg"

done

build() {
cd "$builddir"
}

package() {
mkdir -p "$pkgdir"
}

_subpkg() {
local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname"
mkdir -p "$subpkgdir/usr/share/spdx"
cp -r "$builddir"/type "$subpkgdir"/usr/share/spdx/
}

list() {
pkgdesc="$pkgdesc (licence list)"
mkdir -p "$subpkgdir/usr/share/spdx"
local i; for i in $builddir/text/*.txt; do
local license=${i##*/}
local license=${i%.*}
echo $license >> "$subpkgdir"/usr/share/spdx/license.lst
done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bb3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

1.944 connect-json 2.7.0

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1.945 base-files 10.3+deb10u9

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1.949 readable-stream 2.3.6

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/SelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelPipelineException.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
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/* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java */
jar/io/netty/channel/DefaultAddressedEnvelope.java
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  * /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/netty-transport-4-1-32-final-sources.jar/io/netty/channel/nio/SelectedSelectionKeySet.java
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  * /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/netty-transport-4-1-32-final-sources.jar/io/netty/channel/MessageSizeEstimator.java
  * /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/netty-transport-4-1-32-final-sources.jar/io/netty/channel/socket/oio/OioSocketChannelConfig.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>
 *
 * 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
 * }
 */
```java
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 if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }

    // Because the handler instance has a state variable which is dedicated to
    // one connection, you have to create a new handler instance for each new
    // channel to avoid a race condition where a unauthenticated client can get
    // the confidential information:
    //
    // Create a new handler instance per channel.
    // See ChannelInitializer#initChannel(Channel).

    public class DataServerInitializer extends ChannelInitializer<Channel> {
        @Override
        public void initChannel(Channel channel) {
            channel.pipeline().addLast("handler", new DataServerHandler());
        }
    }

    // Using AttributeKeys

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

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

This annotation is provided for documentation purpose, just like
the JCIP annotations.

Additional resources worth reading

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

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Email local part: hzmester
Email domain: freemail.hu

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1.952 man-db 2.6.3 11.el7

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* Justin Azoff
* Lennart Regebro
* Marc Abramowitz
* Martin von Lwis
* Noufal Ibrahim
* Pete Hollobon
* Philip Jenvey
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------------

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

A. HISTORY OF THE SOFTWARE
============================

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF; see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see http://sites.google.com/site/rrettesite/moman and http://bitbucket.org/jpbarrette/moman/overview/

The class org.apache.lucene.util.WeakIdentityMap was derived from the Apache CXF project and is Apache License 2.0.

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The snowball stemmers in
analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.
The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/

The KStem stemmer in
analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,

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(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed
by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil,
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1.992 jackson 2.10.5

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1.994 httpasyncclient 4.1.2

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1.996 gax-go v2.0.5

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        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
                                "2 clause bsd", "simplified bsd license"},
        Header: "All rights reserved."
    }

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package cmd

func initGpl2() {
    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
modify it under the terms of the GNU General Public License
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package cmd

import (
    "strings"
    "time"
    "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.

// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                       Text: viper.GetString("license.text")}
    }

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }

    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")
    year := viper.GetString("year") // For tests.
    if year == "" {
        year = time.Now().Format("2006")
    }

    return "Copyright " + year + " " + author
}

findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

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package cmd

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    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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func initLgpl() {
  Licenses["lgpl"] = License{
    Name: "GNU Lesser General Public License",
    PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
    Header: `This program is free software: you can redistribute it and/or modify
      it under the terms of the GNU Lesser General Public License as published by
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func initAgpl() {
    Licenses["agpl"] = License{
        Name: "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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func initApache2() {
    Licenses["apache"] = License{
        Name:            "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `Licensed under the Apache License, Version 2.0 (the "License");
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package cmd

func initMit() {
    Licenses["mit"] = License{
        Name:            "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `Permission is hereby granted, free of charge, to any person
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    }
```
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// https://github.com/inexorabletash/polyfill
// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
//  * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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# spdx-license-ids


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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```bash
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`  
All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `string[]`  
Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false
deprecatedIds.includes('GPL-3.0'); //=> true
```
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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```
SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);

assert.deepEqual(valid('Apache 2.0'), {
  validForOldPackages: false,
  validForNewPackages: false,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"',
    'license is similar to the valid expression "Apache-2.0"'
  ]
});
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(valid('GPL-3.0-only OR BSD-2-Clause'), validSPDXExpression);
```

... except if they contain `LicenseRef`:
```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>"",
]
};

assert.deepEqual(
valid('LicenseRef-Made-Up'),
warningAboutLicenseRef
);

assert.deepEqual(
valid('(MIT OR LicenseRef-Made-Up)'),
warningAboutLicenseRef
);
```

If you can’t describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
valid('SEE LICENSE IN LICENSE.txt'),
{
validForNewPackages: true,
validForOldPackages: true,
inFile: 'LICENSE.txt'
}
);

assert.deepEqual(
valid('SEE LICENSE IN license.md'),
{
validForNewPackages: true,
validForOldPackages: true,
inFile: 'license.md'
}
);
```
If there aren't any licensing terms, use 'UNLICENSED':

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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### 1.1002 ncw-swift v1.0.47

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1.1003 cidr-regex 2.0.10

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1.1004 double-ended-queue 2.1.0-0

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1.1005 httpcomponents-core 4.4.4

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
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Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
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Written by: Philip Hazel
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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.1030 unique-string 1.0.0

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1.1032 nettle 2.7.1 8.el7

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* PKCS #5 PBKDF2 used with HMAC-SHA256, see RFC 2898.
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1.1037 backport 3.18.1

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Phil Carmody
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Nischal Varide
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Wenbiao Wang
Contributors to bttv:

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

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

Chris Kleitsch
Hardware I2C

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

bigfoot <bigfoot@net-way.net>
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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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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
   * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
   * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
   * http://www.hypermall.com/
   * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
   * 10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
   * 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)
   *
   * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
   *
   * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
   *
   * Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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* 
* M. Welsh, 6 July 1996
* 
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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)
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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
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1.1042 shadow 4.5-1.1

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1.1053 polkit 0.112 26.el7

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package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"`

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"`

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"`

    // The time at which the license was issued
}
LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query(`/v1/operator/license`, &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", `/v1/operator/license`)
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()

    data, err := ioutil.ReadAll(resp.Body)
if err != nil {
    return "", err
}

return string(data), nil

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

@import './skin';
@import './layout';
%notice {
    border-radius: $decor-radius-100;
    border-width: 1px;
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=====

Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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AWS SDK for Go

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---

layout: api
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: |

The /operator/license endpoints allow for setting and retrieving the Consul
# License - Operator HTTP API

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

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

## Getting the Consul License

This endpoint gets information about the current license.

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

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

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

### Parameters

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

### Sample Request

```
$ curl \n   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
{
   "Valid": true,
   "License": {
```
## Updating the Consul License

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

| Method | Path                        | Produces                  |
| ------ |.locator/license             | `application/json`        |

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

<table>
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<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>none</td>
<td>none</td>
<td>operator:write</td>
</tr>
</tbody>
</table>

### Parameters

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

The payload is the raw license blob.

### Sample Request

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

### Sample Response

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

### Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.
<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for blocking queries, consistency modes, agent caching, and required ACLs.

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

### Parameters

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

### Sample Request

```text
$ curl --request DELETE http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

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

@import '../base/components/notice/index';
%notice {
  margin-bottom: 1em;
}
%notice-success::before {
  @extend %with-check-circle-fill-color-icon;
}
%notice-info::before {
  @extend %with-info-circle-fill-color-icon;
}
%notice-highlight::before {
  @extend %with-star-icon;
}
%notice-warning::before {
  @extend %with-alert-triangle-color-icon;
}
%notice-error::before {
  @extend %with-cancel-square-fill-color-icon;
}
/**/
.notice.warning {
  @extend %notice-warning;
}
.notice.info {
  @extend %notice-info;
}
.notice.policy-management {
  @extend %notice-highlight;
}

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1.1061 mbed-tls 1.7.3

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1.1065 objx 0.1.0

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* Danny Berger (dpb587)
* Jordan Sissel (jordansissel)
* Kurt Hurtado (kurtado)
* Nick Ethier (nickethier)
* Pete Fritchman (fetep)
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1.1073 client-go v0.16.9

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1.1074 gogo-protobuf v1.2.1

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Protocol Buffers for Go with Gadgets

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

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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
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1.1076 number-is-nan 1.0.1

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1.1077 xml-commons-resolver 1.2

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1.1078 console-control-strings 1.1.0

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1.1080 six 1.12.0

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1.1081 log4j-to-slf4j 2.11.2

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# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

Ajay Joshi <jaj@google.com>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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

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

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

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
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.

-- Nathan

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> 
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> 
> Re: [Cracklib-devel] cracklib license
> From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:
> 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.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library todict to application writes what license they should be using. =

thus LGPL-2.1 enters to fill this void.
=2Dmike

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
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > 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
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>=20
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> >=20
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> unless their
> applications are also GPL-2 which imo is just wrong. it isn't the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

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

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

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

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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

-a

Re: [Cracklib-devel] cracklib license
From: Mike Fry sing er <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
   for nneul@neulinger.org: Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
   <EC90713277D2BE41B7100CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
   <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=floowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that email in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.1103 mitchellh-copystructure v1.0.0
1.1103.1 Available under license:

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1.1104 mariadb 5.5.68-1.el7

1.1104.1 Available under license:

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The Debian package of MySQL was first debianized on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and is maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

MariaDB can be downloaded from http://downloads.askmonty.org/mariadb/

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The manual had to be removed as it is not free in the sense of the Debian Free Software Guidelines (DFSG).

== innotop ==

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1.1110 gperftools 2.6.1 1.el7

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1.1112 android-json 0.0.20131108.vaadin1

1.1113 make 3.82 24.el7
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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module is selected.

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

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OW2

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

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Apache

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org.apache.taglibs:taglibs-standard-impl

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

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources.jar/org/springframework/http/codec/json/AbstractJackson2Encoder.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources.jar/org/springframework/http/HttpHeaders.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/support/SessionStatus.java
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Found in path(s):
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/support/SessionStatus.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/annotation/ValueConstants.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/annotation/InitBinder.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/missingServletRequestParameterException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/ServletRequestBindingException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/MediaTypeEditor.java
Found in path(s):
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/client/AbstractClientHttpRequest.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/HandlerMethodArgumentResolver.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/jsf/FacesContextUtils.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java

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# Here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ============================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-insetez
# application/applefile
application/applixwareaw
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
# application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+zip
# application/batch-smtp
# application/beep+xml
# application/calendar+xml
# application/calendar+xml
# application/call-completion
# application/cals-1840
# application/cbor
# application/mf4
# application/mikey
application/mods+xml  mods
# application/moss-keys
# application/moss-signature
# application/mosskey-data
# application/mosskey-request
application/mp21m21  mp21
application/mp4mp4s
# application/mpeg4-generic
# application/mpeg4-iod
# application/mpeg4-iod-xmt
# application/mrb-consumer+xml
# application/mrb-publish+xml
# application/msc-ivr+xml
# application/msc-mixer+xml
application/msword doc dot
application/mxf
# application/nasdata
# application/news-checkgroups
# application/news-groupinfo
# application/news-transmission
# application/nlsm+xml
# application/nss
# application/ocsp-request
# application/ocsp-response
application/octet-stream  bin  dms  lrf  mar  so  dist  distz  pkg  bpk  dump  elc  deploy
application/oda
# application/odx
application/oebps-package+xml  oepf
application/oggogx
application/omdoc+xml  omdoc
application/onenote/onetoc onetoc2 onetmp onepkg
application/oxps
# application/p2p-overlay+xml
# application/parityfec
application/patch-ops-error+xml  xer
application/pdf
# application/pdx
application/pgp-encryptedpgp
# application/pgp-keys
application/pgp-signatureasc sig
application/pics-rulesprf
# application/pidf+xml
# application/pidf-diff+xml
application/pkcs10p10
# application/pkcs12
application/pkcs7-mimep7m p7c
# application/scaip+xml
# application/scim+json
application/scvp-cv-request scq
application/scvp-cv-response scs
application/scvp-vp-request spq
application/scvp-vp-response spp
application/sdp sdp
# application/sep+xml
# application/sep-exi
# application/set-payment
application/set-payment-initiation setpay
# application/set-registration
application/set-registration-initiation setreg
# application/sgml
# application/sgml-open-catalog
application/shf+xml shf
# application/sieve
# application/simple-filter+xml
# application/simple-message-summary
# application/simplesymbolcontainer
# application/slate
# application/smil
application/smil+xml smil
# application/smite336m
# application/soap+fastinfoset
# application/soap+xml
application/sparql-query rq
application/sparql-results+xml srx
# application/spirits-event+xml
# application/sql
application/srgs gram
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
# application/timestamp-query
# application/timestamp-reply
application/timestamped-data
tsd
# 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
# application/vnd.3gpp.access-transfer-events+xml
# application/vnd.3gpp.bsf+xml
# application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-largeplb
application/vnd.3gpp.pic-bw-smallpsb
application/vnd.3gpp.pic-bw-varpyb
# application/vnd.3gpp.sms
# application/vnd.3gpp.sms+xml
# application/vnd.3gpp.srvcc-ext+xml
# application/vnd.3gpp.srvcc-info+xml
# application/vnd.3gpp.state-and-event-info+xml
# application/vnd.3gpp.ussd+xml
# application/vnd.3gpp2.bcmcsinfo+xml
# application/vnd.3gpp2.sms
application/vnd.3gpp2.tcap
tcap
# application/vnd.3lightssoftware.imagescal
application/vnd.3m.post-it-notespswn
application/vnd.acccpac.simply.asoaso
application/vnd.acccpac.simply.impimp
application/vnd.acucobolacu
application/vnd.acucorpatc acutc
application/vnd.adobe.air-application-installer-package+zipair
# application/vnd.adobe.flash.movie
application/vnd.adobe.formscentral.fcdtcfdt
application/vnd.adobe.fxpfxp fxpl
# application/vnd.adobe.partial-upload
application/vnd.adobe.xdp+xmllxdp
application/vnd.adobe.xdfxfdf
# application/vnd.aether.imp
# application/vnd.ah-barcode
application/vnd.ahead.spaceahead
application/x-msmoney
application/x-mspublisher
application/x-msschedule
application/x-msterminal
application/x-mswrite
application/x-netcdf
application/x-nzb
application/x-pkcs12
application/x-pkcs7-certificates
application/x-pkcs7-certreqresp
application/x-rar-compressed
application/x-research-info-systems
application/x-sh
application/x-shar
application/x-shockwave-flash
application/x-silverlight-app
application/x- sql
application/x-stuffit
application/x-stuffitx
application/x-subrip
application/x-sv4cpio
application/x-sv4crc
application/x-t3vm-image
application/x-tads
application/x-tar
application/x-tcl
application/x-text
application/x-tex
application/x-tiff
application/x-texinfo
application/x-tgif
application/x-ustar
application/x-wais-sourcesrc
# application/x-www-form-urlencoded
application/x-x509-ca-cert
application/x-xfig
application/x-xliff+xml
application/x-xpinstall
application/x-xz
application/x-zmachine
# application/x400-bp
# application/xacml+xml
application/xaml+xml
# application/xcap-att+xml
# application/xcap-caps+xml
# application/xcap-diff+xml
# application/xcap-el+xml
# application/xcap-error+xml
# application/xcap-ns+xml
# audio/mpeg4-generic
# audio/musepack
audio/oggoga ogg spx
# audio/opus
# audio/parityfec
# audio/pcma
# audio/pcma-wb
# audio/pcm
# audio/pcm-wb
# audio/prs.sid
# audio/qcelp
# audio/raptorfec
# audio/red
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# audio/rtp-midi
# audio/rtploopback
# audio/rtx
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audio/vnd.digital-windseol
# audio/vnd.dlna.adts
# audio/vnd.dolby.heaac.1
# audio/vnd.dolby.heaac.2
# audio/vnd.dolby.ml
# audio/vnd.dolby.mps
# audio/vnd.dolby.pl2
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dae
# 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.mts
mts
# model/vnd.opengex
# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.sourcecompiled-map
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model/vrml
vrml
model/x3d+binary
x3db x3dbz
# model/x3d+fastinfoset
model/x3d+vrmlx3dv x3dvz
model/x3d+xml
x3d x3dz
# model/x3d-vrml
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# multipart/parallel
# multipart/related
# multipart/report
# multipart/signed
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text/calendarics ifb
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# text/csv-schema
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# text/enriched
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# video/bt656
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# video/h263-1998
# video/h263-2000
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# video/h264-rndo
# video/h264-svc
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# video/jpeg2000
video/jpmjpmjpgm

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# video/mp2p
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# video/vnd.sealed.swf
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# video/vp8
video/webmwebm
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video/x-flfvlv
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video/x-mngmng
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video/x-ms-wmvwmv
video/x-ms-wmwxmz
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x-conference/x-cooltalkice

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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/mime.types

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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/accept/HeaderContentNegotiationStrategy.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/remoting/jaxws/SimpleJaxWsServiceExporter.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/server/reactive/TomcatHeadersAdapter.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/client/reactive/ClientHttpResponse.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/client/support/HttpAccessor.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/context/support/ContentNegotiationManagerFactoryBean.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/context/i18n/AcceptHeaderLocaleContextResolver.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/client/reactive/AbstractClientHttpRequest.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/context/support/HttpMessageWriter.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/cors/DefaultCorsProcessor.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/bind/RelativeRedirectFilter.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/converter/protobuf/ExtensionRegistryInitializer.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/client/support/BasicAuthenticationInterceptor.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/bind/annotation/ExceptionHandler.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/bind/support/WebExchangeBindException.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/WebApplicationInitializer.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/web/method/annotation/AbstractCookieValueMethodArgumentResolver.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/framework/http/client/SimpleStreamingClientHttpRequest.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptorAdapter.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/WebApplicationObjectSupport.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/StaticWebApplicationContext.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/remoting/jaxws/JaxWsPortClientInterceptor.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/context/support/ServletPathExtensionContentNegotiationStrategy.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/context/support/ServletContextParameterFactoryBean.java
* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/bind/MethodArgumentNotValidException.java
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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources.jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java

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 */

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* /opt/cola/permits/1001070977_1611876723.8/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/util/HttpSessionMutexListener.java

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  jar/io/netty/channel/MultithreadEventLoopGroup.java
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  jar/io/netty/channel/local/LocalAddress.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
  jar/io/netty/channel/ChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
  jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
  jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
  jar/io/netty/channel/socket/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
  jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandlerMask.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.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 `ChannelHandler` is provided with a `ChannelHandlerContext` object. A `ChannelHandler` is supposed to interact with the `ChannelPipeline` it belongs to via a context object. Using the context object, the `ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `AttributeKey`s) which is specific to the handler.

<h3>State management</h3>

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

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

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private boolean loggedIn;

    @Override
    public void channelRead0(ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See `ChannelInitializer.initChannel(Channel)`.
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```
Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

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

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

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
In the example above which used an `AttributeKey`, you might have noticed the `Sharable` annotation.

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

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

This annotation is provided for documentation purpose, just like the JCIP annotations.

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

Additional resources worth reading:

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

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Protocol Buffers for Go with Gadgets

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

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* /opt/cola/permits/1136800001_1613902658.36/0/rholder-snowball-stemmer-v1-3-0-581-1-0-ge571676-1-targ-
gz/rholder-snowball-stemmer-c4996c7/build.gradle
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## What is this?
This is a repackaging of a version of the snowball-stemmer found at http://snowball.tartarus.org/ so that it's available on Maven Central.

## Maven
```xml
<dependency>
  <groupId>com.github.rholder</groupId>
  <artifactId>snowball-stemmer</artifactId>
  <version>1.3.0.581.1</version>
</dependency>
```

## Gradle
```groovy
compile "com.github.rholder:snowball-stemmer:1.3.0.581.1"
```

## Versioning
In the absence of tags, branches, or releases in the original project SVN repository to call out a version, let's go with what [PyStemmer](https://pypi.python.org/pypi/PyStemmer) is currently using and tack on the SVN revision number at the end followed by my patch revision number (to fix anything weird that I introduce). For the initial version, we'll use 1.3.0.581.1.

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## References
* http://snowball.tartarus.org
* https://github.com/snowballstem

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* /opt/cola/permits/1136800001_1613902658.36/0/rholder-snowball-stemmer-v1-3-0-581-1-0-ge571676-1-targz/rholder-snowball-stemmer-c4996c7/README.md

1.1144 proxyproto v0.0.0-20190211145416-68259f75880e
1.1144.1 Available under license:

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1.1146 vault-api v1.0.5-0.20200717191844-f687267c8086
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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@goglers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcmgeevey@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheney <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
Scott Van Woudenberg <scottvw@google.com>
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Jason Mooberry <jasonmoo@me.com>
Sergey Shepelev <temotor@gmail.com>
Alex Edwards <ajmedwards@gmail.com>

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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---

The `/sys/license` endpoint is used to view and update the license used in Vault.

---

# `/sys/license`

-> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```bash
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```json
{
  "data": {
  ```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
    "text": "01ABCDEFG..."
}
```

### Sample Request

```bash
$ curl
    --header "X-Vault-Token: ..." 
    --request PUT 
    --data @payload.json 
```
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mgo - MongoDB driver for Go

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BSON library for Go

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{{/if}}

{{else}}
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<span data-test-feature-status>Not Active</span>
{{/if}}

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{{/each}}
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</section>

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.

// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"`
    Path *string `json:"path,omitempty"
}
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key  *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL  *string `json:"url,omitempty"`
    SPDXID         *string   `json:"spdx_id,omitempty"`
    HTMLURL        *string   `json:"html_url,omitempty"`
    Featured       *bool     `json:"featured,omitempty"`
    Description    *string   `json:"description,omitempty"`
    Implementation *string   `json:"implementation,omitempty"`
    Permissions    *[]string `json:"permissions,omitempty"`
    Conditions     *[]string `json:"conditions,omitempty"`
    Limitations    *[]string `json:"limitations,omitempty"`
    Body           *string   `json:"body,omitempty"`
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    var licenses []License
    resp, err := s.client.Do(ctx, req, &licenses)
if err != nil {
    return nil, resp, err
}

return licenses, resp, nil

// Get extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

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1.1147 core-module 1.2.3

1.1148 mysql-jdbc 8.0.13

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MySQL Connector/J 8.0

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Last updated: September 2018.

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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.

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

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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Preamble

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

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

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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

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

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

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

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

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

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

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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.

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

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

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

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

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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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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,
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/SetObjectAclRequest.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Filter.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Filter.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)
*/

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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/JSONOutput.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/JSONType.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/SelectObjectContentResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/SelectObjectContentEvent.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/RequestProgress.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/Stats.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/S3VersionSummary.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/ServerSideEncryptionResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/ServerSideEncryptionHeaderHandler.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/internal/ResponseHeaderHandlerChain.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/BucketLifecycleConfiguration.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/CORSRule.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/DeleteObjectsResult.java

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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/AmazonS3Builder.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-jar/com/amazonaws/services/s3/model/DeleteBucketWebsiteConfigurationRequest.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/RestoreObjectResult.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/transform/AbstractSSEHandler.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/MultipartUploadListing.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1.jar/com/amazonaws/services/s3/model/FileHeaderInfo.java

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  jar/com/amazonaws/services/s3/iterable/S3Objects.java

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  jar/com/amazonaws/services/s3/model/ListBucketAnalyticsConfigurationsResult.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/CBC/PKCS5Padding</code>, please refer to Oracle's <a
* href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html"
* >Java Cryptography Architecture Standard Algorithm Name Documentation</a>
* for more details.

* <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 v1 crypto meta information (supported by all SDK's)</h2>

For non-KMS client side encryption, this v1 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 v2 crypto meta information is used.

* <p>
* <table border=1
* <tr aligned="left"
<table>
<thead>
<tr>
<th><strong>key</strong></th>
<th><strong>description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>x-amz-key</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 &quot;AES/CBC/PKCS5Padding&quot;.</td>
</tr>
<tr>
<td>x-amz-iv</td>
<td>Randomly generated IV (per S3 object), base64 encoded</td>
</tr>
<tr>
<td>x-amz-matdesc</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>x-amz-unencrypted-content-length</td>
<td>Unencrypted content length (optional but should be specified whenever possible).</td>
</tr>
</tbody>
</table>

**S3 v2 crypto meta information (currently supported by the Java SDK)**

This v2 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.)

<table>
<thead>
<tr>
<th><strong>key</strong></th>
<th><strong>description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>x-amz-key-v2</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>x-amz-iv</td>
<td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
</tr>
</tbody>
</table>

---

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<table>
<thead>
<tr>
<th><strong>x-amz-matdesc</strong></th>
<th>Customer provided material description in JSON format. (Same as v1). Used to identify the client-side master key.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 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;&quot;kms_cmk_id&quot;&lt;/code&gt;</code>.</td>
<td></td>
</tr>
<tr>
<td><strong>x-amz-unencrypted-content-length</strong></td>
<td>Unencrypted content length. (optional but should be specified whenever possible. Same as v1.)</td>
</tr>
<tr>
<td><strong>x-amz-wrap-alg</strong></td>
<td>Key wrapping algorithm used. Supported values: <code>&lt;code&gt;&quot;AESWrap&quot;, &quot;RSA/ECB/OAEPWithSHA-256AndMGF1Padding&quot;, &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;&quot;AES/GCM/NoPadding&quot;, &quot;AES/CBC/PKCS5Padding&quot;&lt;/code&gt;</code> Default to `&lt;code&gt;&quot;AES/CBC/PKCS5Padding&quot;&lt;/code&gt; if this key is absent.</td>
</tr>
<tr>
<td><strong>x-amz-tag-len</strong></td>
<td>Tag length (in bits) when AEAD is in use. Supported value: <code>&lt;code&gt;&quot;128&quot;&lt;/code&gt;</code></td>
</tr>
</tbody>
</table>

---

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* KMS Integration for client-side encryption

* All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, <b>x-amz-wrap-alg</b> is always set to <b>"kms"</b>.

* 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>.

* Sample S3 crypto meta information for KMS client-side encryption

* CryptoMode: Encryption Only

* CryptoMode: Authenticated Encryption

* S3 metadata of an instruction file
* 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.
* <p>
* <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/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
  jar/com/amazonaws/services/s3/package-info.java
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* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
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jar/com/amazonaws/services/s3/model/GetObjectTaggingResult.java
* /opt/cola/permits/1138888804_1614360418.63/0/aws-java-sdk-s3-1-11-406-sources-1-
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*
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*
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*
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<td>src/mesa/drivers/*</td>
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include/GL/glxtext.h
include/GL/wglxext.h :

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*/
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* Painless invokedynamic bootstrap for the call site.
* <p>
* Has 11 flavors (passed as static bootstrap parameters): dynamic method call, dynamic field load (getter), and dynamic field store (setter), dynamic array load, dynamic array store, iterator, method reference, unary operator, binary operator, shift operator, and dynamic array index normalize.
* <p>
* When a new type is encountered at the call site, we lookup from the appropriate whitelist, and cache with a guard. If we encounter too many types, we stop caching.
* <p>
* Based on the cascaded inlining cache from the JSR 292 cookbook
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* javax.annotation:javax.annotation-api
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* java.sun.security.ssl

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.1187 cglib 3.2.5
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http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
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David Megginson, david@megginson.com
2000-05-05

1.1202 xmlsec-java 1.4.2
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1.1205 x-sys v0.0.0-20200720211630-cb9d2d5c5666

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1.1207 p11-kit 0.23.18.1-r0

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pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  update_config_sub
  default_prepare
}

build() {
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171f9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"

pkgname=py3-flake8-copyright
_pkpname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"

build() {
  python3 setup.py build
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# Automatically generated by apkbuild-cpan, template 1
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pkgname=perl-bsd-resource
.pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4

pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"

source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare

    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {
make DESTDIR="$pkgdir" install
find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa517f663b8065ba65feea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdftnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
pkgdesc="$pkgdesc ($type)"
install_if="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
cp -r "$builddir"/$type "$subpkgdir/usr/share/spdx/"
}

list() {
pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir/usr/share/spdx"
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*/}
echo ${license%.*} >> "$subpkgdir/usr/share/spdx/license.lst"
done
}

sha512sums="0950540df050fb717ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41de
ab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"
1.1208 etcd v0.5.0-alpha.5.0.20200306183522-221f0cc107cb

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1.1212 libcgroup 0.41 21.el7

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* Dan Everton (deverton)
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1.1219 e2fsprogs 1.45.5-r0

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

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

all:: image

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

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

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

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

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

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

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes

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

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

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Gadi Oxman, August 1995

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

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Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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:

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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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@enumerate 0
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DRuntime: Runtime Library for the D Programming Language

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1.1241 readdir-scoped-modules 1.1.0

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1.1243 chardet 3.0.4

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**ulikunitz-xz v0.5.6**

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package main

import (
    "bufio"
    "bytes"
    "flag"
    "fmt"
const crUsageString = `xb copyright [options] <path>....

The xb copyright command adds a copyright remark to all go files below path.

  -h  prints this message and exits
```

func crUsage(w io.Writer) {
  fmt.Fprint(w, crUsageString)
}

const copyrightText = `Copyright 2014-2019 Ulrich Kunitz. All rights reserved.
Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.
```

func goComment(text string) string {
  buf := new(bytes.Buffer)
  var err error
  for scanner.Scan() {
    s := strings.TrimSpace(scanner.Text())
    if len(s) == 0 {
      continue
    }
    var fmt error
    if _, fmt = fmt.Fprintf(buf, "//", s); fmt != nil {
      panic(err)
    }
    }
    if err = scanner.Err(); err != nil {
      panic(err)
    }
    if _, err = fmt.Fprintf(buf, "//", s); err != nil {
      panic(err)
    }
    return buf.String()
  }
  return goCopyright = goComment(copyrightText)
func addCopyright(path string) (err error) {
    log.Printf("adding copyright to %s", path)
    src, err := os.Open(path)
    if err != nil {
        return err
    }
    defer func() {
        cerr := src.Close()
        if cerr != nil && err == nil {
            err = cerr
        }
    }()
    newPath := path + ".new"
    dst, err := os.Create(newPath)
    if err != nil {
        return err
    }
    defer func() {
        cerr := dst.Close()
        if cerr != nil && err == nil {
            err = cerr
        }
    }()
    out := bufio.NewWriter(dst)
    fmt.Fprintf(out, goCopyright)
    scanner := bufio.NewScanner(src)
    line := 0
    del := false
    for scanner.Scan() {
        line++
        txt := scanner.Text()
        if line == 1 && strings.Contains(txt, "Copyright") {
            del = true
            continue
        }
        if del {
            s := strings.TrimSpace(txt)
            if len(s) == 0 {
                del = false
                continue
            }
        }
        fmt.Fprintf(out, txt)
    }
    if err = scanner.Err(); err != nil {
        return err
    }
    if err = out.Flush(); err != nil {
        return err
    }
    return
}
return
}
err = os.Rename(newPath, path)
return

func walkCopyrights(path string, info os.FileInfo, err error) error {
if err != nil {
    return err
}
if info.IsDir() {
    return nil
}
if !strings.HasSuffix(info.Name(), "\.go") {
    return nil
}
return addCopyright(path)
}

func copyright() {
    cmdName := os.Args[0]
    log.SetPrefix(fmt.Sprintf("%s: ", cmdName))
    log.SetFlags(0)

    flag.CommandLine = flag.NewFlagSet(cmdName, flag.ExitOnError)
    flag.Usage = func() { crUsage(os.Stderr); os.Exit(1) }
    help := flag.Bool("h", false, "")

    flag.Parse()

    if *help {
        crUsage(os.Stdout)
        os.Exit(0)
    }

    for _, path := range flag.Args() {
        fi, err := os.Stat(path)
        if err != nil {
            log.Print(err)
            continue
        }
        if !fi.IsDir() {
            log.Printf("%s is not a directory", path)
            continue
        }
        if err = filepath.Walk(path, walkCopyrights); err != nil {
            log.Fatalf("%s error %s", path, err)
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1.1263 through 2.0.3

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1.1266 logstash-codec-edn 3.0.6

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1.1267 bouncy-castle 1.61
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<li>Francois Staes &lt;fsstaes@netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.</li>
<li>Perez Paz Luis Alberto &lt;laperez@banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James.Wright@harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford &lt;jim@muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler &lt;haeusler@ponton-consulting.de&gt; - extra aliases for provider.</li>
<li>Sai Pullabhotla &lt;psai@linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
<li>Joseph Miller &lt;joseph@digiweb.net.nz&gt; - addition of ZeroBytePadding.</li>
<li>Lars &lt;xyz@4agemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>
<li>Jerome van Vianen &lt;jerome@vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>
<li>Jun Sun &lt;JSun@diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.
Petr Dukem &lt;pdukem@email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

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

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

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

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

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

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

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

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

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

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

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

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

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

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

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

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

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

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

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

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

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

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
<li>Julien Pasquier &lt;julienpasquier#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso#064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvas#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom#064tnux.net&gt; - addition of DES-ED3 encryption for RSAPrivate keys to PEMWriter.</li>
<li>Florin Kollan &lt;adlocflo#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee#064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-ED3 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse#transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiro &lt;kazu-k#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrnctan#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christnat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary
fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

Jörg Eichhorn &lt;eichhorn@ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputSteam, support for F2m compression.

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

Jörg Eichhorn &lt;eichhorn@ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputSteam, support for F2m compression.

Kris Bieniek &lt;k.rosset@#064tradle.de&gt; - contribution to F2m compression.

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

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

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

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

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

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


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

Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;m.schilder@#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

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

Erik Tews &lt;etews@#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;reikomusha@#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;rj.roquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.

David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation.
signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list&#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader/</li>
<li>Martijn Brinkers &lt;list&#064mitm.nl&gt; - GnuPG compatibility changes for PBEFileProcessor. </li>
<li>Olga K&amp;uuml;bler &lt;olga.kaethler&#064#064hjjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;uuml;ria Mar&amp;iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Michael Samblanet &lt;Mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;bstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId. </li>
<li>Ramon Keller &lt;ramon.keller&#064#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff&#064#064ukr.net&gt; - mask fix to single byte read in TlsInputStream. </li>
<li>Julien Pasquier &lt;julienpasquier&#064#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp&#064#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu&#064#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow&#064#064iagase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac. </li>
<li>Tal Yacobi &lt;tal.yacobi&#064#064octavians-techn.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko &lt;Andrey.a.pavlenko&#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn&#064jrnme.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz&#064#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;gcontini&#064#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEFs.</li>
<li>Roelof Naude &lt;roelof.naude&#064#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck&#064#064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd&#064#064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre &lt;ale&#064#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].</li>
<li>Michael Schoene &lt;michael&#064#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIIssuers(), check for V2 signingCertificate attribute in
<li>TimeStampResponse.validate().</li>
<li>Bob Kerns &lt;bob.kerns@positscience.com&gt; fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; port for PKIXCertPathValidtor and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@064email.com&gt; initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;tobbie79@064gmail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bouncycastle_pfitz@064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit &lt;cagdascirit@064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23@064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques@064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;job@064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal.</li>
<li>Richard Farr &lt;rfarr.se@064gmail.com&gt; initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eromani@064sogei.it&gt; patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;rt737lundgren@064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hrrawat@064yahoo.com&gt; fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;rolf.lindemann@064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [BMA-42].</li>
<li>Alex Artamonov &lt;alexart.home@064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek &lt;tom@064attack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilarings &lt;markus@064primekey.se&gt; several enhancements toTimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darianis@064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith@064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.
Andrea Zilio &lt;andrea.zilio@gmail.com&gt; fix for PEM password encryption of private keys.
Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BIA-291].
Wayne Grant &lt;wayne@grant.com&gt; additional OIDs for PKCS10 and certificate generation support.
Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.
Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.
Bob McGowan &lt;boab.mcgowan@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.
Ivo Mathies &lt;matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.
Marco Sandrini &lt;nessche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.
Alf Malf &lt;alf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.
Alfonso Massa &lt;alfonso.massa@064insiel.it&gt; contributions to CMS time stamp classes.
Giacomo Boccardo &lt;gboccardo@064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.
Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.
Janusz Sikociski &lt;j.sikocinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.
Juri Hudolejev &lt;j.hu@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.
Liane Velten &lt;liane.velten@064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.
Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKKeyRing.
Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.
Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.
Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.
Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.
Steing Ing Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.
Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.
Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.
Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.
Petr Petrov &lt;p@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.
Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.
Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.
Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.
Eleriseth &lt;Eleriseth@064WPECGLtYbVi8R16Y7VzI2Lv2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.
Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getCipher() patch for AEAD.
Maarten Bodewes &lt;maarten.bodewes&#064;gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b&#064;064gyahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc&#064;carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidèeacute;n Borell &lt;samuel&#064;primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner&#064;certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington&#064;orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad&#064;primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin&#064;xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergeriy Tiunov &lt;s5555d&#064;gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfridayy&#064;gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes&#064;blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev&#064;064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome&#064;gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matt Aarnio &lt;matti.aarnio&#064;methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi &lt;bnajafi&#064;akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&amp;uuml;ller &lt;eric.mueller&#064;064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts&#064;gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov&#064;gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

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

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

Arnis Tartu &lt;arnis&#064;oo4ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb&#064;riseup.net&gt; initial implementation of Shacal2.
Roberto Tyley &lt;&gt; further work on completing gradle build.
Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.
Sid Steward &lt;sid.steward&#064pdflabs.com&gt; code improvements to ASN1Boolean.
Alex Klyubin &lt;klyubin&#064google.com&gt; AlgorithmParameters check for EC key agreement.
Jonathan Gillett &lt;gsoc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.
Andreas Reiter &lt;andreas.reiter&#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.
Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.
Oliver Ehli &lt;ehli&#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.
Daniel Heldt &lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests.
Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.
Maurice Aarts &lt;maartens&#064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.
Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.
KB Sriram &lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.
Marco Schulze &lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.
Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.
dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.
Tobias Wich &lt;tobias.wich&#06464ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
Hauke Mehrtens &lt;hauke&#06464hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
Daniel Zimmerman &lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyUpPairGenerator.
Jens Kapitza &lt;jk.kapitza&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
Johan Eklund &lt;johan&#06464primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.
Peter Jr Halicky &lt;peto&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.
IartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.
Thomas Belot &lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.
Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
Bj&ouml;rn Kautler &lt;https://github.com/BjoernKautler&gt; Refined to cert path validation (authority key addition, certificate order preservation).
Dominik Sch&muml;mann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.
<li>Michael &lt;MSKnete@gmail.com&gt; initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner &lt;ttobias.wagner@gmail.com&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giro &lt;sgiro@gmail.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
<li>bshuette &lt;https://github.com/bshuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSMessageDigestParser.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;jw.janssen@bouncycastle.org&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt;kai.kramer@gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt;benoit.charles@opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink95@gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, Blake2b reset issue for variant keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat &lt;lukasz.deputat@gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGOBJECTFactory to handle stream packets at start of iterated data.</li>
<li>Andréacutef Berr enctype &lt;https://github.com/berenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Slawomir Jarzynowski &lt;https://github.com/slavekjarzynowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton &lt;wglanton77@gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Negele &lt;jnaegle@604gierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>Andrew Bonventre &lt;https://github.com/andybons&gt; NullPointer patch for WNafUtil.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>
<li>Gorka Irazoqui &lt;girazoki@wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch@604veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSA PublicKey.</li>
<li>Alexandr Krivoshta &lt;wipe@604ya.ru&gt; N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storozhuk72@gmail.com&gt; N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu@604samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis@gmail.com&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for
McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
<li>Artem Storozhuk &lt;storoj72@#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>
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<li>Artem Storozhuk &lt;storoj72@#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair. </li>
<li>Andreas Gadermaier &lt;up.gadermaier@064gmail.com&gt; initial version of Argon2 PBKDF algorithm. </li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code. </li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes. </li>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. </li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask. </li>
</ul>

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1.1268 logstash-input-beats 5.1.9

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* Jordan Sissel (jordansissel)
* Kurt Hurtado (kurtado)
* Nick Ethier (nickethier)
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* Richard Pijnenburg (electrical)
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

*/

1.1273 sean-seed v0.0.0-20170313163322-e2103e2c3529

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1.1274 github v17.0.0+incompatible

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    package github
import (
    "context"
    "fmt"
    "net/http"
    "reflect"
    "testing"
)

func TestLicensesService_List(t *testing.T) {
    client, mux, _, teardown := setup()
    defer teardown()

    mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        fmt.Fprintf(w, `[
            {
                "key": "mit",
                "name": "MIT",
                "spdx_id": "MIT",
                "url": "https://api.github.com/licenses/mit",
                "featured": true
            }
        ]`)
    })

    licenses, _, err := client.Licenses.List(context.Background())
    if err != nil {
        t.Errorf("Licenses.List returned error: %v", err)
    }

    want := []License{ {
        Key: String("mit"),
        Name: String("MIT"),
        SPDXID: String("MIT"),
        URL: String("https://api.github.com/licenses/mit"),
        Featured: Bool(true),
    }}
    if !reflect.DeepEqual(licenses, want) {
        t.Errorf("Licenses.List returned %v, want %v", licenses, want)
    }
}

func TestLicensesService_Get(t *testing.T) {
    client, mux, _, teardown := setup()
    defer teardown()

    mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        fmt.Fprintf(w, `{"key":"mit","name":"MIT"}`)
    })

    license, _, err := client.Licenses.Get(context.Background(), "mit")
    if err != nil {
        t.Errorf("Licenses.Get returned error: %v", err)
    }
want := &License{Key: String("mit"), Name: String("MIT")}
if !reflect.DeepEqual(license, want) {
t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
}

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
client, _, _, teardown := setup()
defer teardown()

_, _, err := client.Licenses.Get(context.Background(), "%")
testURLParseError(t, err)
}

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related methods of the GitHub API.

// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

type RepositoryLicense struct {
    Name *string `json:"name"` omitempty"
    Path *string `json:"path"` omitempty"
    SHA *string `json:"sha"` omitempty"
    Size *int `json:"size"` omitempty"
    URL *string `json:"url"` omitempty"
    HTMLURL *string `json:"html_url"` omitempty"
    GitURL *string `json:"git_url"` omitempty"
    DownloadURL *string `json:"download_url"` omitempty"
    Type *string `json:"type"` omitempty"
    Content *string `json:"content"` omitempty"
    Encoding *string `json:"encoding"` omitempty"
    License *License `json:"license"` omitempty"
}
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key  *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL  *string `json:"url,omitempytempty"`
        SPDXID         *string `json:"spdx_id,omitempty"`
        HTMLURL        *string `json:"html_url,omitempytempty"`
        Featured       *bool `json:"featured,omitempytempty"`
    Description *string `json:"description,omitempytempty"`
    Implementation *string `json:"implementation,omitempytempty"`
    Permissions []*string `json:"permissions,omitempytempty"`
    Conditions  []*string `json:"conditions,omitempytempty"`
    Limitations  []*string `json:"limitations,omitempytempty"`
    Body       *string `json:"body,omitempytempty"
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    licenses := make([]*License, 0)
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }
    return licenses, resp, nil
}

// Get extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
  u := fmt.Sprintf("licenses/%s", licenseName)

  req, err := s.client.NewRequest("GET", u, nil)
  if err != nil {
    return nil, nil, err
  }

  license := new(License)
  resp, err := s.client.Do(ctx, req, license)
  if err != nil {
    return nil, resp, err
  }

  return license, resp, nil
}

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1.1278 libxml 2.9.10-r3

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1.1282 puma 2.16.0

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1.1284 azure-eventhubs 2.2.0

1.1285 logstash-output-sqs 5.1.2

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* John Price (awesometown)
* Jordan Sissel (jordansissel)
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1.1287 spring-boot-test 2.1.4

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1.1288 x-net v0.0.0-20201202161906

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The End

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1.1318 libteam 1.29-3.el7

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Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@gmail.com>
Johan Euphosine <proppy@gmail.com>
Kostik Shtoyk <kostik@gmail.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@gmail.com>
Scott Van Woudenberg <scottvw@gmail.com>
Takashi Matsuo <tmatu@gmail.com>

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* github.com/BurntSushi/toml - https://github.com/BurntSushi/toml

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* golang.org/x/mod/module - https://github.com/golang/mod
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* golang.org/x/tools/go/analysis - https://github.com/golang/tools

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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package simulator

import (
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    },
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
}
m.Self = ref
m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

if Map.IsVPX() {
am := Map.Put(&LicenseAssignmentManager{}).Reference()
m.LicenseAssignmentManager = &am
}

return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
body := &methods.AddLicenseBody{
Res: &types.AddLicenseResponse{},
}

for _, license := range m.Licenses {
if license.LicenseKey == req.LicenseKey {
body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
return body
}
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
LicenseKey: req.LicenseKey,
Labels:     req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)
return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
body := &methods.RemoveLicenseBody{
Res: &types.RemoveLicenseResponse{},
}

for i, license := range m.Licenses {
if req.LicenseKey == license.LicenseKey {
m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...]...) 
return body
}
}

return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
body := &methods.UpdateLicenseLabelBody{} 

for i := range m.Licenses {
    license := &m.Licenses[i]

    if req.LicenseKey != license.LicenseKey {
        continue
    }

    body.Res = new(types.UpdateLicenseLabelResponse)

    for j := range license.Labels {
        label := &license.Labels[j]

        if label.Key == req.LabelKey {
            if req.LabelValue == "" {
                license.Labels = append(license.Labels[:i], license.Labels[i+1:]...)
            } else {
                label.Value = req.LabelValue
            }
        }
    }

    license.Labels = append(license.Labels, types.KeyValue{
        Key:   req.LabelKey,
        Value: req.LabelValue,
    })

    return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        
    
}
if req.EntityId != Map.content().About.InstanceUuid {
    id := types.ManagedObjectReference{
        Type: "HostSystem",
        Value: req.EntityId,
    }

    if Map.Get(id) == nil {
        return body
    }
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    {
        EntityId: req.EntityId,
        AssignedLicense: EvalLicense,
    },
}

return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
  Plugin     string
  Option     string
  Severity   string // 'deprecated', 'removed', or 'unsupported'
  ReplacedBy string
  Additional string
  Version    string
}

func (n *Notice) ToString() string {
  s := ""

  // Code follows the boilerplate notice...""
if n.Option == "" {
    s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
} else {
    s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
}
if n.Severity == unsupported {
    s += "is unsupported by this migration tool in " + n.Version + "."
} else if n.Severity == newdefault {
    s += "is added as a default in " + n.Version + "."
} else {
    s += "is " + n.Severity + " in " + n.Version + "."
}
if n.ReplacedBy != "" {
    s += fmt.Sprintf(` It is replaced by "%v"`, n.ReplacedBy)
}
if n.Additional != "" {
    s += " " + n.Additional
}
return s

const (  
    deprecated  = "deprecated"  // deprecated, but still completely functional  
    ignored     = "ignored"     // if included in the corefile, it will be ignored by CoreDNS  
    removed     = "removed"     // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile  
    newdefault  = "newdefault"  // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.  
    unsupported = "unsupported" // the plugin/option is not supported by the migration tool

    all = "all" // show all statuses
)  

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{% endpanel %}

{% panel style="info", title="TL;DR" %}

- Copy files to and from Containers in a cluster

{% endpanel %}
# Copying Container Files

## Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

{% panel style="warning", title="Install Tar" %}
Copy requires that *tar* be installed in the container image.
{% endpanel %}

{% method %}

## Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `path`
- Remote file format is `<pod-name>:<path>`

{% sample lang="yaml" %}
```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```% endmethod %

{% method %}

## Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `path`
- Remote file format is `<pod-name>:<path>`

{% sample lang="yaml" %}
```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```% endmethod %

{% method %}

## Specify the Container

Specify the Container within a Pod running multiple containers.
```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `<namespace>/`.

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

runc

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SOFTWARE.

Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
jboverfelt
dsymonds
cd1
wallclockbuilder
dansouza

# The list of people who have contributed code to the cmux repository.
#

# Auto-generated with:
#git log --oneline --pretty=format:'%an <%aE>' | sort -u
#
Andreas Jaekle <andreas@jaekle.net>
Dmitri Shuralyov <shurcooL@gmail.com>
Ethan Mosbaugh <emosbaugh@gmail.com>
Soheil Hassas Yeganeh <soheil.h.y@gmail.com>
Soheil Hassas Yeganeh <soheil@cs.toronto.edu>
Tamir Duberstein <tamir@cockroachlabs.com>
Tamir Duberstein <tamird@gmail.com>
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Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbozhenko@fb.com>
Alex Ellis (VMware) <alexellis2@gmail.com>
Alvaro Miranda <kikitux@gmail.com>
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aniketGslab <aniket.shinde@gslab.com>
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Austin Parker <aparker@apprenda.com>
Marc Carmier <mcarmier@gmail.com>
Maria Ntalla <maria.ntalla@gmail.com>
Marin Atanasov Nikolov <mnikolov@vmware.com>
Matt Clay <matt@mystile.com>
Matthew Cosgrove <matthew.cosgrove@dell.com>
Matt Moriarity <matt@mattmoriarity.com>
Mevan Samaratunga <mevansam@gmail.com>
Michal Jankowski <mjankowski@vmware.com>
mwedi <mingwei@smartx.com>
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Omar Kohl <omarkohl@gmail.com>
Parham Alvani <parham.alvani@gmail.com>
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Rowan Jacobs <rojacob@pivotal.io>
runner.mei <runner.mei@gmail.com>
S.Alar Onur <conur@vmware.com>
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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
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John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
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Patrick Lee <patrick@dropbox.com>
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Sergio Arbeo <serabe@gmail.com>
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tomb - support for clean goroutine termination in Go.

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Protocol Buffers for Go with Gadgets

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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*/
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 * 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.
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 */
/**
 * 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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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1

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1.1347 jackc-pgproto3 v2.0.4

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1.1365 datadog-zstd v1.4.1

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1.1366 asynckit 0.4.0

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1.1367 masterminds-goutils 1.1.0

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

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

template <int i>
struct t { };

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

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

int main() { }
```

<br>
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////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#define BOOST_CONFIG_HPP
#endif
#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

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

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;

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

#endif // BOOST_INTRUSIVE_DETAIL_MPL_HPP
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_; 
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_; 
using boost::move_detail::false_; 
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<
    std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     \
    template <typename T>                                      \
    \

struct boost_intrusive_has_type_## TNAME {
   
   template <typename X>
   static char test(int, typename X::TNAME*);

   template <typename X>
   static int test(...);

   static const bool value = (1 == sizeof(test<T>(0, 0)));
};

template <typename T, typename DefaultType>
struct boost_intrusive_default_type_## TNAME {
   struct DefaultWrap { typedef DefaultType TNAME; }; 

   typedef typename ::boost::intrusive::detail::if_c
   < boost_intrusive_has_type_## TNAME<T>::value,
     T, DefaultWrap::type::TNAME type;
};

//
#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) 
   typename INSTANTIATION_NS_PREFIX boost_intrusive_default_type_## TNAME< T, TIMPL >::type
//
#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) 
   INSTANTIATION_NS_PREFIX boost_intrusive_has_type_## TNAME< T >::value
//
#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)
   template <typename T, typename DefaultType>
   struct boost_intrusive_eval_default_type_## TNAME {
   
      template <typename X>
      static char test(int, typename X::TNAME*);

      template <typename X>
      static int test(...);

      struct DefaultWrap
      { typedef typename DefaultType::type TNAME; }; 

      static const bool value = (1 == sizeof(test<T>(0, 0)));
   

typedef typename
  ::boost::intrusive::detail::eval_if_c
< value
  , ::boost::intrusive::detail::identity<T>
  , ::boost::intrusive::detail::identity<DefaultWrap>
>::type::TNAME type;

//

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

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

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

//

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

//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME, \
    FUNC_NAME) \
    BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME)

    template <typename Type, class> \
    struct TRAITS_NAME \
    : public TRAITS_NAME##_ignore_signature<Type> \
    {}

//

} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP

===========================================================================
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============================================================================
// Boost.Geometry (aka GGL, Generic Geometry Library)

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 ]

[section:mpl MPL Interoperability]

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

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

[endsect]
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This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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Some portions are also:
All the value based traits in this library conform to MPL's requirements for an Integral Constant type.
Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
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var group__group_ext_mpl =
  [
    ["integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
    ["list", "structboost_1_1mpl_1_1list.html", null ],
    ["vector", "structboost_1_1mpl_1_1vector.html", null ]
  ];
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t {
};

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

int main() { }

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// // http://www.boost.org/LICENSE_1_0.txt)
// // //////////////////////////////////////////////////////////////////////
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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

#if defined(BOOST_HAS_PRAGMA_ONCE)
#pragma once
#endif

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

namespace boost {
namespace container {
namespace dtl {

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

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

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

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

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;
};

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

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

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

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

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

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

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
  static const T value = val;
  typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_ >
{
  static const bool value = C_; 
};

typedef bool_<true>       true_;
typedef bool_<false>      false_;

typedef true_  true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
  char padding[8];
}

}}
#endif

}}

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template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};  

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};  

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};  

template<
    bool C
 , typename T1
 , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
 , typename T2
 , typename T3
>
struct if_<
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros


{ static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<S >> 1u>::value); }

template<>
struct ls_zeros<0>
{
 static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
 static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
               '--date=short', '--format=%aN%x09%ad', filename],
               universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

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

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
        for i, line in enumerate(content[:15]):
            m = re.match(r'^(?P<prefix>\W*)(\(c\))? \s*?copyright\s*\((\(c\))?\s*\d{4}\s*\-(\s*\d{4})?\s*\)?\s*\+(\?P<name>\.+?)/s*\$', line, re.IGNORECASE)
            if m:
                d = m.groupdict()
                prefix.add(d['prefix'])
                lines.append(i)
                names.append(d['name'].strip())
        if len(prefix) != 1:
            print 'Not found:', filename
            return
        prefix = list(prefix)[0]

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

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

    for f in all_files():
        fix_copyright(f)

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Maybe this should pass?

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

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-->

<section id="date_time/license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../../index.htm">
<imagedata align="left"
   format="GIF"
   fileref="../../../boost.png"
   alt="C++ Boost"/>
</ulink>-->

<para>
The following is the overall license for the boost date_time library. This notice is found in all source files related to the library.
</para>
<para>
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsoftwareolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list messsage of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)
Eric Ford (un506n902 -at- sneakemail.com) (See Boost list message of Sun, 15 Aug 2004 10:29:13 +0100)
Eric Friedman (ebf@users.sourceforge.net)
Eric Niebler (eric@boost-consulting.com)
Fernando Cacciola (fernando_cacciola@ciudad.com.ar)
Fernando Luis Cacciola Carballal (fernando_cacciola@ciudad.com.ar)
Francois Faure (Francois.Faure -at- imag.fr) (See CVS log)
Gary Powell (powellg - at - amazon.com) (See Boost list message of 10 Feb 2004 14:22:46 -0800)
Gennadiy Rozental (roggeff -at- mail.com) (Email to Andreas Huber, see change log)
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Boost.MPL adapters

External adapters

Adapters for Boost.MPL containers.

Classes

Adapters for Boost.MPL containers.

*boost::mpl::integral_c&lt; T, v &gt;*

Adapter for IntegralConstants from the Boost.MPL.

*boost::mpl::list&lt; T &gt;*

Adapter for Boost.MPL lists.

*boost::mpl::vector&lt; T &gt;*

Adapter for Boost.MPL vectors.

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

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

struct state { };

template <int i>
struct t { };

using vector = mpl::vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %>;

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

int main() { }

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[mpl]
# MPL Support, <boost/mp11/mp11.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11/mp11.hpp>`, when included, defines the
necessary support infrastructure for `mp_list` and `std::tuple`
to be valid link:../../../../libs/mp1

NOTE: `mp11.hpp` is not included by `<boost/mp11.hpp>`.
/*
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 * LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
 * */
```cpp
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name, complete with a link to that path:
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
    : root(r), file(f) {}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=" << (p.root / p.file).string() << "">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();
}
```
std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

std::ofstream os(m_dest_path.string().c_str());
if(!os)
{
    std::string msg("Error opening ");
    msg += m_dest_path.string();
    msg += " for output.");
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

os <<
"<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"">\n" 
"<html>\n"
"<head>\n"
"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os <<
"</title>\n"
"</head>\n"
"<body>\n"
"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os <<
"</H1>\n"
"<H2>Contents</h2>
"<pre><a href="#input">Input Information</a>
"if(!m_bsl_summary_mode)
os << "<a href="#summary">Licence Summary</a>
"os << "<a href="#details">Licence Details</a>
"while(i != j)
{
    // title:
os << " <A href=""#"" << make_link_target(licenses.first[i->first].license_name)
    " "">" << licenses.first[i->first].license_name << "</a>\n";
    ++i;
}
os << "<a href="#files">Files with no recognised license</a>\n"
"<a href="#authors">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
"Moving to the Boost Software License...\n"
"  <a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>\n"
"  <a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>\n"
"  <a href="#not-to-bsl">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
"<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>\n"
"<a href="#copyright">Copyright Holder Information</a>\n";
}

os <<
"<a href="#depend">File Dependency Information</a>\n"
"</pre>

//
// input Information:
//

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

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code>\n";

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//

fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^\[[:blank:\]#\[[:blank:\]*define\[[:blank:\]+BOOST\_VERSION\[[:blank:\]+(\d+)]+\d\+\+])\);
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
os << "</p><p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</p>\n";
```cpp
// output each license:

//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
os << "<a name="summary"></a><h2>Licence Summary</h2>\n";
while(i != j)
{
    // title:
os << "<H3>" 
    // license text:
    os << "<BLOCKQUOTE>" 
    // Copyright holders:
    os << "<P>This license is used by " 
    // Copyright holders:
    os << "<a href="#" 
    // Copyright holders:
    os << "</a;(see details)</a>">
    os << "</P><BLOCKQUOTE>\n";
++i;
}
// and now the details:

//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"></a><h2>Licence Details</h2>\n";
while(i != j)
{
    // title:
os << "<H3>" 
    // license text:
    os << "<BLOCKQUOTE>" 
    // Copyright holders:
    os << "<P>This license is used by the following " 
    // Copyright holders:
    os << "</a>(see details)</a>">
    os << "</P><BLOCKQUOTE>\n";
++i;
}

std::set<std::string>::const_iterator x, y;
```
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR><br>
    ++x;
}
os << "</P></BLOCKQUOTE><\n"
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << " files:
<BLOCKQUOTE><P>
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br><br>
    ++m;
}
os << "</P></BLOCKQUOTE><\n"
} else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P><\n";
os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P><\n"
}
++license_index;
++i;

// Output list of files not found to be under license control:
//
os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2><\n"
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:
<BLOCKQUOTE><P>
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br><br>
    ++i2;
}
os << "</P></BLOCKQUOTE>"
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2><\n"
The following \( m_{\text{unknown\_authors}}.\text{size()} \) files had no recognisable copyright holder:

\[
\begin{align*}
\text{os} & \ll \text{split\_path}(m_{\text{boost\_path}}, \ast i2) \ll \text{"<br>\n"} \\
& \text{+ +i2;}
\end{align*}
\]

\[
\text{os} \ll \text{"</p>"};
\]

if(!m_bsl_summary_mode)

\[
\begin{align*}
& \ll \text{// Output list of files that have been moved over to the Boost Software License, along with enough information for human verification.} \\
& \ll \text{//}
\end{align*}
\]

\[
\begin{align*}
\text{os} & \ll \text{"<h2>a name="bisl-converted\""</a>Files that can be automatically converted to the Boost Software License</h2>\n"}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{"<\p>"};
\end{align*}
\]

\[
\begin{align*}
& \ll \text{\text{The following } m_{\text{converted\_to\_bsl.size()}} \ll \text{" files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:}<\p>\n"};
\end{align*}
\]

\[
\begin{align*}
& \ll \text{if (!m_{\text{converted\_to\_bsl.empty()}})}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{::const\_iterator conv\_iterator;}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{conv\_iterator i = m_{\text{converted\_to\_bsl.begin()}};}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{ie = m_{\text{converted\_to\_bsl.end()}};}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{int file\_num = 1;}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{while (i != ie)}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{os} \ll \text{"<p>["] File: <tt>split\_path(m_{\text{boost\_path}}, i->first)}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{"<tt>table\_border="1"\"}<\tr>\n <td><pre>\n \n \n \n \n \n <\td><pre>\n \n \n \n \n \n ;}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{++i;}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{++file\_num;}
\end{align*}
\]

\[
\begin{align*}
& \ll \} \\
\end{align*}
\]

\[
\begin{align*}
& \ll \text{// Output list of files that could be moved over to the Boost Software License}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{//}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{os} \ll \text{"<ch2>a name="to\-bsl\""</a>Files that could be converted to the Boost Software License</h2>\n"}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{"<p>"};
\end{align*}
\]

\[
\begin{align*}
& \ll \text{\text{The following } m_{\text{can\_migrate\_to\_bsl.size()}} \ll \text{" files could be manually converted to the Boost Software License, but have not yet been:}<p>\n"};
\end{align*}
\]

\[
\begin{align*}
& \ll \text{i2 = m_{\text{can\_migrate\_to\_bsl.begin()}};}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{j2 = m_{\text{can\_migrate\_to\_bsl.end()}};}
\end{align*}
\]

\[
\begin{align*}
& \ll \text{while(i2 != j2)}
\end{align*}
\]

\[
\begin{align*}
& \ll \{ \\
\end{align*}
\]
os << split_path(m_boost_path, *i2) << "\n"
++i2;
}
os << "</p></BLOCKQUOTE>
//
// Output list of files that can not be moved over to the Boost Software License
//
os << "ch2<a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software License</h2>
"<p>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
os << split_path(m_boost_path, *i2) << "\n"
++i2;
}
os << "</p></BLOCKQUOTE>
//
// Output list of authors that we need permission for to move to the BSL
//
os << "ch2<a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>
"<p>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in "<code>more/blanket-permission.txt</code></p>
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
          std::ostream_iterator<std::string>(os, "\n");
os << "</p></BLOCKQUOTE>
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\">Copyright Holder Information</a>\n"
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ed = m_author_data.end();
while(ad != ead)
{
os << "<tr><td>" << ad->first << "</td><td>
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = ad->second.begin();
efi = ad->second.end();
while(fi != efi)
{
os << split_path(m_boost_path, *fi) << " 
";
++fi;
}
os << "</td></tr>\n";
// output file dependency information:
//
// File Dependency Information
//
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P><\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            os << split_path(m_boost_path, *dep);
            dep = m_dependencies.find(*dep);
        }
else
    os << dep->second.string();
if(seen_deps.find(dep->second) != seen_deps.end())
    {
        os << " <i>(Circular dependency!)</i>";
        break; // circular dependency!!!
    }
seen_deps.insert(dep->second);
last_dep = dep;
dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
    break;
os << "\n"
++fi;
}

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

Boost.Geometry (aka GGL, Generic Geometry Library)

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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THE C++ WRAPPER FUNCTIONS

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1.1374 python-setuptools 40.8.0

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1.1378 urllib3 1.10.2

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRlBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support
* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields
* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

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

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

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

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

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

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

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

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

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

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

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

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

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

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

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

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

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

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1.1380 spring-boot-starter-logging 2.1.4

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1.1381 spdx-license-ids 3.0.5

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root = true

[*]
charset = utf-8
end_of_line = lf
indent_style = tab
tab_width = 2
insert_final_newline = true
trim_trailing_whitespace = true

[*.{md,yml}]
indent_style = space

[*.md]
trim_trailing_whitespace = false

workflow "Test" {
  on = "push"
  resolves = ["npm"]
}

action "npm" {
  uses = "shinnn/actions-npm-alpine@1.0.0"
  args = "install-ci-test"
}

* text=auto

# spdx-license-ids


A list of [SPDX license](https://spdx.org/licenses/) identifiers
## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```bash
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false
deprecatedIds.includes('GPL-3.0'); //=> true
```

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1.1382 openssl 1.0.2k-21.el7_9

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package spec

import (
    "encoding/json"
    "testing"
    "github.com/stretchr/testify/assert"
)

var license = License{
    LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
    VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{"x-license": "custom term"}}}

const licenseJSON = `{
    "name": "the name",
    "url": "the url",
    "x-license": "custom term"
}`

func TestIntegrationLicense(t *testing.T) {
    
    // const licenseYAML = "name: the name\n    // url: the url\n    
    b, err := json.MarshalIndent(license, "", "\t")
    if assert.NoError(t, err) {
        assert.Equal(t, licenseJSON, string(b))
    } else {
        fmt.Println(err)
    }

    actual := License{
        LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
        VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{"x-license": "custom term"}}}

    actual := License{
        LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
        VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{"x-license": "custom term"}}
    }

    assert.NoError(t, json.Unmarshal([]byte(licenseJSON), &actual))
}

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package spec

import {
    "encoding/json"
    "github.com/go-openapi/swag"
}

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

// UnmarshalJSON hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}
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Found in path(s):
* /opt/cola/permits/1110632768_1606842153.35/0/fis-components-isarray-0-0-1-0-g1f8a1d4-tar-gz/fis-components-isarray-84d6f6bc/README.md

1.1389 jctools-core 3.0.0
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<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
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    <Import-Package>sun.misc;resolution:=optional</Import-Package>
  </instructions>
</configuration>

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  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
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    </additionalOptions>
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</plugin>

<distributionManagement>
  <repository>
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    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>
</distributionManagement>
Found in path(s):
* /opt/cola/permits/1150945500_1617726836.89/0/jctools-core-3-0-0-4-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1578049665284
Build-Jdk: 1.8.0_232
Built-By: yak
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 3.0.0
Created-By: Apache Maven Bundle Plugin
Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0"
Import-Package: sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-4.2.0.201903051501

Found in path(s):
* /opt/cola/permits/1150945500_1617726836.89/0/jctools-core-3-0-0-4-jar/META-INF/MANIFEST.MF

1.1390 godo v1.7.5
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1.1391 x-net v0.0.0-20201110031124

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1.1392 golang-snappy v0.0.2

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1.1393 options 1.4

1.1394 jruby-stdlib 9.2.7.0
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  # Software Package Data Exchange (SPDX) standard open-source software
  # license identifiers
  LICENSE_IDENTIFIERS = %w(
    0BSD
    AAL
    ADSL
    AFL-1.1
    AFL-1.2
    AFL-2.0
    AFL-2.1
    AFL-3.0
    AGPL-1.0
    AGPL-3.0
    AMDPLPA
    AML
    AMPAS
    ANTLR-PD
    APAFML
    APL-1.0
    APSL-1.0
    APSL-1.1
    APSL-1.2
    APSL-2.0
    Abstyles
    Adobe-2006
    Adobe-Glyph
    Afmparse
    Aladdin
    Apache-1.0
    Apache-1.1
    Apache-2.0
    Artistic-1.0
    Artistic-1.0-Perl
    Artistic-1.0-cl8
    Artistic-2.0
    BSD-2-Clause
    BSD-2-Clause-FreeBSD
    BSD-2-Clause-NetBSD
    BSD-3-Clause
    BSD-3-Clause-Attribution
  )
CDDL-1.0
CDDL-1.1
CECILL-1.0
CECILL-1.1
CECILL-2.0
CECILL-2.1
CECILL-B
CECILL-C
CNRI-Jython
CNRI-Python
CNRI-Python/GPL-Compatible
CPAL-1.0
CPL-1.0
CPOL-1.02
CUA-OPL-1.0
Caldera
CIArtistic
Condor-1.1
Crossword
CrystalStacker
Cube
D-FSL-1.0
DOC
DSDP
Dotseqn
ECL-1.0
ECL-2.0
EFL-1.0
EFL-2.0
EPL-1.0
EUDatagrid
EUPL-1.0
EUPL-1.1
Entessa
ErlPL-1.1
Eurosym
FSFAP
FSFUL
FSFULLR
FTL
Fair
Frameworx-1.0
FreeImage
GFDL-1.1
GFDL-1.2
GFDL-1.3
GL2PS
GPL-1.0
GPL-1.0+
GPL-2.0
GPL-2.0+
GPL-2.0-with-GCC-exception
GPL-2.0-with-autoconf-exception
GPL-2.0-with-bison-exception
GPL-2.0-with-classpath-exception
GPL-2.0-with-font-exception
GPL-3.0
GPL-3.0+
GPL-3.0-with-GCC-exception
GPL-3.0-with-autoconf-exception
Giftware
Glide
Gluixe
HPND
HaskellReport
IBM-pibs
ICU
IJG
IPA
IPL-1.0
ISC
ImageMagick
Imlib2
Info-ZIP
Intel
Intel-ACPI
Interbase-1.0
JSON
JasPer-2.0
LAL-1.2
LAL-1.3
LGPL-2.0
LGPL-2.0+
LGPL-2.1
LGPL-2.1+
LGPL-3.0
LGPL-3.0+
LGPLL
LPL-1.0
LPL-1.02
LPPL-1.0
LPPL-1.1
LPPL-1.2
LPPL-1.3a
LPPL-1.3c
Latex2e
Leptonica
LiLiQ-P-1.1
LiLiQ-R-1.1
LiLiQ-Rplus-1.1
Libpng
MIT
MIT-CMU
MIT-advertising
MIT-enna
MIT-feh
MITNFA
MPL-1.0
MPL-1.1
MPL-2.0
MPL-2.0-no-copyleft-exception
MS-PL
MS-RL
MTLL
MakeIndex
MirOS
Motosoto
Multics
Mup
NASA-1.3
NBPL-1.0
NCSA
NGPL
NLOD-1.0
NLPL
NOSL
NPL-1.0
NPL-1.1
NPOSL-3.0
NRL
NTP
Naumen
Net-SNMP
NetCDF
Newsletr
Nokia
Noweb
Nunit
OCCT-PL
OCLC-2.0
ODbl-1.0
OFL-1.0
OFL-1.1
OGTSL
OLDAP-1.1
OLDAP-1.2
OLDAP-1.3
OLDAP-1.4
OLDAP-2.0
OLDAP-2.0.1
OLDAP-2.1
OLDAP-2.2
OLDAP-2.2.1
OLDAP-2.2.2
OLDAP-2.3
OLDAP-2.4
OLDAP-2.5
OLDAP-2.6
OLDAP-2.7
OLDAP-2.8
OML
OPL-1.0
OSET-PL-2.1
OSL-1.0
OSL-1.1
OSL-2.0
OSL-2.1
OSL-3.0
OpenSSL
PDDL-1.0
PHP-3.0
PHP-3.01
Plexus
PostgreSQL
Python-2.0
QPL-1.0
Qhull
RHeCos-1.1
RPL-1.1
RPL-1.5
RPSL-1.0
RSA-MD
RSCPL
Rdisc
Ruby
SAX-PD
SCEA
SGI-B-1.0
SGI-B-1.1
SGI-B-2.0
SISSL
SISSL-1.2
SMLNJ
SMPPL
SNIA
SPL-1.0
SWL
Saxpath
Sendmail
SimPL-2.0
Sleepycat
Spencer-86
Spencer-94
Spencer-99
StandardML-NJ
SugarCRM-1.1.3
TCL
TCP-wrappers
TMate
TORQUE-1.1
TOSL
UPL-1.0
Unicode-DFS-2015
Unicode-DFS-2016
Unicode-TOU
Unlicense
VOSTROM
VSL-1.0
Vim
W3C
W3C-19980720
W3C-20150513
WTFPL
WXwindows
Watcom-1.0
Wsuipa
X11
XFree86-1.1
XSkat
Xerox
Xnet
YPL-1.0
YPL-1.1
ZPL-1.1
ZPL-2.0
ZPL-2.1
Zed
Zend-2.0
Zimbra-1.3
Zimbra-1.4
Zlib
bzip2-1.0.5
bzip2-1.0.6
curl
diffmark
dvipdfm
eCos-2.0
eGenix
gSOAP-1.3b
gnuplot
iMatix
libtiff
mpich2
psfrag
psutils
xinetd
xpp
zlib-acknowledgement

).freeze

# exception identifiers
EXCEPTION_IDENTIFIERS = %w(
  389-exception
  Autoconf-exception-2.0
  Autoconf-exception-3.0
  Bison-exception-2.2
  Bootloader-exception
  CLISP-exception-2.0
  Classpath-exception-2.0
  DigiRule-FOSS-exception
  FLTK-exception
  Fawkes-Runtime-exception
  Font-exception-2.0
  GCC-exception-2.0
  GCC-exception-3.1
  LZMA-exception
  Libtool-exception
  Linux-syscall-note
  Nokia-Qt-exception-1.1
  OCCT-exception-1.0
  Qwt-exception-1.0
  WxWindows-exception-3.1
  eCos-exception-2.0
  freertos-exception-2.0
  gnu-javamail-exception
  i2p-gpl-java-exception
  mif-exception
  openvpn-openssl-exception

Open Source Used In MSX Platform Infrastructure 4.0.0  11222
u-boot-exception-2.0
).
freeze

REGEXP = %r{
  \A
  (#{Regexp.union(LICENSE_IDENTIFIERS)}
  \+?
  (\s WITH \s #{Regexp.union(EXCEPTION_IDENTIFIERS)})?
  | #{NONSTANDARD}
  )
  \Z
}ox.freeze

def self.match?(license)
  !REGEXP.match(license).nil?
end

def self.suggestions(license)
  by_distance = LICENSE_IDENTIFIERS.group_by do |identifier|
    levenshtein_distance(identifier, license)
  end
  lowest = by_distance.keys.min
  return unless lowest < license.size
  by_distance[lowest]
end
end

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Version 2.1, February 1999

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* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-
jar/com/thoughtworks/paranamer/AnnotationParanamer.java

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* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/DefaultParanamer.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/ParameterNamesNotFoundException.java
* /opt/cola/permits/1150909240_1617718312.14/0/paranamer-2-8-sources-5-jar/com/thoughtworks/paranamer/AdaptiveParanamer.java
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `case (a, b) => ...`
val x: ((Int, Int) => Int) = ((a, b)) => a
^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `case (param1, param2) => ...`
val y: ((Int, Int, Int) => Int) = ((a, !)) => a
^
Either create a single parameter accepting the Tuple3, or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... \}

```scala
val z: ((Int, Int, Int) => Int) = { (a, NotAPatternVariableName, c) => a }
```

3 errors

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1.1420 eclipse-jdt-core 3.10.0

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@end subheading END OF TERMS AND CONDITIONS

@page
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@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}
@end example

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{show c}; they could even be mouse-clicks or menu items---whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer'' for the program, if necessary. Here is a sample; alter the names:

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may
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1.1432 pam 1.1.8 3.6

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1.1433 jopt-simple 5.0.3

1.1434 x-text v0.3.3

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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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Local-Date: Fri, 06 Jun 2003 13:18:52 -0400
Date: Fri, 6 Jun 2003 10:18:52 -0700
From: Juan Gomez <juang@us.ibm.com>
To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

Stephen,

"There is no restriction on modifications and derived works" on the work I
did for the openldap server as long as this is consistent with the openldap
license. Please forward this email to Kurt so he does the appropriate
changes to the files to reflect this.

Regards, Juan
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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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---
After discussing this license with the OpenLDAP Foundation we received clarification on it:
---

To: Stephen Frost <sfrost@snowman.net>
Subject: Re: OpenLDAP Licenseing issues
From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
Date: Wed, 28 May 2003 10:55:44 -0700
Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
In-reply-to: <20030528162613.GB8524@ns.snowman.net>
Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
Old-return-path: <Kurt@OpenLDAP.org>
Steven,

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The Foundation sees no reason for it to expend its limited resources seeking clarifications which it believes are unnecessary. You are, of course, welcomed to expend time and energy seeking clarifications you think are necessary. I suggest you contact University's general counsel office (http://www.umich.edu/~vpgc/).

Regards, Kurt

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1.1442 docker 2.6.2-2.git48294d9.el7
1.1442.1 Available under license :

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Protocol Buffers for Go with Gadgets

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

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  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.stream/ChunkedNioStream.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/IdleStateEvent.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.logging/package-info.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.ssl/package-info.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/WriteTimeoutHandler.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.logging/LogLevel.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.ssl/SslHandler.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/IdleState.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/TimeoutException.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/package-info.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.stream/ChunkedWriteHandler.java
  * /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-
    jar/io.netty.handler.timeout/WriteTimeoutException.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/OpenSslSimpleTrustManager.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
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* /opt/cola/permits/1026086822_1623174799.37/0/netty-handler-4-1-42-final-sources-4- jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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**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**
import io, sys
from setuptools import setup

version = "2.4"

def main():

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

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': version,
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
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            'Operating System :: OS Independent',
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            '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()
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/SignatureAttribute.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/ClassFileWriter.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/convert/TransformReadField.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/tools/web/BadHttpRequest.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CtNewClass.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/EnclosingMethodAttribute.java
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* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/NotFoundException.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CtClass.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/ScopedPool/SoftValueHashMap.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/CtField.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/ScopePool/SoftValueHashMap.java
* /opt/cola/permits/1135880377_1613624050.66/0/javassist-3-24-0-ga-sources-5-jar/javassist/ScopePool/SoftValueHashMap.java
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Alain Vongsouvanhulainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
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Jason Mooberry <jasonmoo@me.com>
Sergey Shepelev <temotor@gmail.com>
Alex Edwards <ajmedwards@gmail.com>

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Protocol Buffers for Go with Gadgets

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

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APPENDIX: How to apply the Apache License to your work.
The `/sys/license` endpoint is used to view and update the license used in Vault.

---

# `/sys/license`

-> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```json
{
   "data": {
      "expiration_time": "2017-11-14T16:34:36.546753-05:00",
      "features": ["UI",
                    "HSM",
                    "Performance Replication",
                    "DR Replication"],
      "license_id": "temporary",
      "start_time": "2017-11-14T16:04:36.546753-05:00"
   },
   "warnings": [
      "time left on license is 29m33s"
   ]
}
```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
  "text": "01ABCDEFG...
}
```

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   --request PUT \
   --data @payload.json \
   http://127.0.0.1:8200/v1/sys/license
```

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mgo - MongoDB driver for Go

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BSON library for Go

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  <div class="field">
    <label for="license-id" class="is-label">License</label>
    <div class="control">
      {{input id="license-id" value=text autocomplete="off" class="input" data-test-text-input="data-test-text-input"}}
    </div>
  </div>
  <div class="field is-grouped">
    <div class="control">
      <button type="submit" class="button is-primary" data-test-save-button>Save</button>
    </div>
    <div class="control">
      <button type="button" {{action "toggleForm"}} class="button" data-test-cancel-button>Cancel</button>
    </div>
  </div>
</form>
{{else}}
<div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
  {{info-table-row label="License ID" value=licenseId}}
  {{#info-table-row label="Valid from" value=startTime}}
    {{date-format model.startTime 'MMM DD, YYYY hh:mm:ss A'}} to {{date-format expirationTime 'MMM DD, YYYY hh:mm:ss A'}}
  {{/info-table-row}}
</div>
<div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
  <div class="control">
    <button type="button" {{action "toggleForm"}} class="button" data-test-enter-button>Enter new license</button>
  </div>
</div>
{{/if}}

{{/if}}

<section class="box is-sideless is-marginless is-shadowless is-fullwidth">
  <span class="title is-5">Features</span>
  <div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
    {{#each featuresInfo as |info|}}
      {{#info-table-row label=info.name value=(if info.active "Active" "Not Active") data-test-feature-row="data-test-feature-row"}}
        {{#if info.active}}
          <Icon @glyph="check-circle-outline" @size="l" class="icon-true" aria-hidden="true"
          />{{span data-test-feature-status>Active {{#if info.count}}&mdash;
        {{/if}}
      {{/info-table-row}}
    {{/each}}
  </div>
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import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.

// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"
    Path *string `json:"path,omitempty"
    SHA         *string  `json:"sha,omitempty"
    Size        *int     `json:"size,omitempty"
    URL         *string  `json:"url,omitempty"
    HTMLURL     *string  `json:"html_url,omitempty"
    GitURL      *string  `json:"git_url,omitempty"
    DownloadURL *string  `json:"download_url,omitempty"
    Type        *string  `json:"type,omitempty"
    Content     *string  `json:"content,omitempty"
    Encoding    *string  `json:"encoding,omitempty"
    License     *License `json:"license,omitempty"
}

func (l RepositoryLicense) String() string {


func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    var licenses []License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }
    return licenses, resp, nil
}

// Get extended metadata for one license.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
req, err := s.client.NewRequest("GET", u, nil)
if err != nil {
    return nil, nil, err
}

license := new(License)
resp, err := s.client.Do(ctx, req, license)
if err != nil {
    return nil, resp, err
}

return license, resp, nil

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type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}
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1.1477 go-resiliency v1.2.0

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1.1480 go-patricia v2.3.0

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1.1485 jackson-xc 2.10.5
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1.1488 logstash-output-cloudwatch 3.0.8

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*/

/**
 * Creates a new JSRInliner. <i>Subclasses must not use this</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *        the <code>MethodVisitor</code> to send the resulting inlined
 *        method code to (use &lt;code>null</code> for none).
 * @param access
 *        the method's access flags (see { @link Opcodes}). This
 *        parameter also indicates if the method is synthetic and/or
 *        deprecated.
 * @param name
 *        the method's name.
 * @param desc
 *        the method's descriptor (see { @link Type}).
 * @param signature
 *        the method's signature. May be &lt;tt>null</tt&gt;.
 * @param exceptions
 *        the internal names of the method's exception classes (see
 *        { @link Type#getName()}). May be
 *        &lt;tt>null</tt&gt;.
 * @throws IllegalStateException
 *        If a subclass calls this constructor.
 */

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 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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

Found in path(s):
*/opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-
jar/org/objectweb/asm/commons/GeneratorAdapter.java
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 */
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see [Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [Type]).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 */
* @throws IllegalStateException
*    If a subclass calls this constructor.
*/

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 */

/**
 * Constructs a new [@link LocalVariableAnnotationNode]. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *    a reference to the annotated type. See [@link TypeReference].
 * @param typePath
 *    the path to the annotated type argument, wildcard bound, array

* element type, or static inner type within 'typeRef'. May be
* <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
* the fist instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/tree/LocalVariableNode.java
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* /opt/cola/permits/1135996864_1613649419.76/0/asm-5-1-sources-2-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
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/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link ClassNode(int)]
 * version.
 *
 * @throws IllegalStateException
* If a subclass calls this constructor.
*/

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

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

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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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.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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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of these things:

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

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

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

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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of
Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.
Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

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

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

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

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

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1.1501 pcre 8.39 3
1.1501.1 Available under license :

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----------

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THE BASIC LIBRARY FUNCTIONS
-----------------------------
PCRE JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg
Email local part: hzman
Email domain: freemail.hu

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1.1502 jline-terminal 3.10.0

1.1503 gophercloud v0.1.0
1.1503.1 Available under license:

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...
type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.
type GetResult struct {
    commonResult
}

// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.

type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"
            Previous string `json:"previous"

        } `json:"links"
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
    var s struct {
        Resources []Resource `json:"resources"
    }
    err := (r.(ResourcePage)).ExtractInto(&s)
    return s.Resources, err
}

// Extract interprets any commonResult as a Resource.
func (r commonResult) Extract() (*Resource, error) {
    var s struct {
        Resource *Resource `json:"resource"
    }
    err := r.ExtractInto(&s)
    return s.Resource, err
}
Contributor Tutorial

This tutorial is to help new contributors become familiar with the processes used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful that everyone is new to this in the beginning. Please reach out for help or ask for clarification if needed. No question is ever "dumb" or not worth our time answering.

To begin, go to [Step 1](step-01-introduction.md).

Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project's service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it's time to write the actual code! We recommend reading over the [CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a `git` repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix

If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.
If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* [https://github.com/gophercloud/gophercloud/pull/584](https://github.com/gophercloud/gophercloud/pull/584)
* [https://github.com/gophercloud/gophercloud/pull/586](https://github.com/gophercloud/gophercloud/pull/586)
* [https://github.com/gophercloud/gophercloud/pull/587](https://github.com/gophercloud/gophercloud/pull/587)
* [https://github.com/gophercloud/gophercloud/pull/594](https://github.com/gophercloud/gophercloud/pull/594)

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request

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

Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're testing with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:

```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
```
Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be _a lot_ of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request.
Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
```
* If a Pull Request requires changes, you will have to rebase _all_ child Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and proceed to [Step 6](step-06-code-review.md).

**Step 6: Code Review**

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `[wip]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.
### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

**Request a Code Review**

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used).

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

**Submitting Changes**

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

**It's Never Personal**

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.

Please don't take change requests personally. Our intention is to ensure the code is correct before merging.
Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

```go
package testing

import (  
  "fmt"  
  "net/http"  
  "testing"

  "github.com/gophercloud/gophercloud/openstack/service/vN/resources"  
  th "github.com/gophercloud/gophercloud/testhelper"  
  "github.com/gophercloud/gophercloud/testhelper/client"
)

// ListResult provides a single page of RESOURCE results.
const ListResult = `  
{
}
`

// GetResult provides a Get result.
const GetResult = `  
{
}
`

// CreateRequest provides the input to a Create request.
const CreateRequest = `  
{
}
`

// UpdateRequest provides the input to a Update request.
const UpdateRequest = `  
{
}
`

// UpdateResult provides an update result.
const UpdateResult = `  
{
}
`
// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{ }

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{ }

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{ }

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, ListResult)
})

}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "GET")
th.TestHeader(t, r, "Accept", "application/json")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

w.Header().Set("Content-Type", "application/json")
w.WriteHeader(http.StatusOK)
fmt.Fprintf(w, GetResult)
})

}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
th.Mux.HandleFunc(`/resources`, func(w http.ResponseWriter, r *http.Request) {
th.TestMethod(t, r, "POST")
th.TestHeader(t, r, "X-Auth-Token", client.TokenID)

th.TestJSONRequest(t, r, CreateRequest)
w.WriteHeader(http.StatusCreated)
fmt.Fprintf(w, GetResult)
})

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.WriteHeader(http.StatusNoContent)
    })
}

// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}

package RESOURCE

import {
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
}

// ListOptsBuilder allows extensions to add additional parameters to
// the List request
type ListOptsBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpts provides options to filter the List results.
type ListOpts struct {
}

    // ToResourceListQuery formats a ListOpts into a query string.
    func (opts ListOpts) ToResourceListQuery() (string, error) {

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptsBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return pagination.Pager{Err: err}
        }
        url += query
    }
        return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
    })
}

// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
    _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
    return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
    ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {
}

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
    b, err := opts.ToResourceUpdateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{200},
    })
    return
}

package testing

import (
    "testing"
    "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
    "github.com/gophercloud/gophercloud/pagination"
    th "github.com/gophercloud/gophercloud/testhelper"
    "github.com/gophercloud/gophercloud/testhelper/client"
)
func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleCreateResourceSuccessfully(t)
createOpts := resources.CreateOpts{
    Name: "resource two",
}

actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleDeleteResourceSuccessfully(t)
    res := resources.Delete(client.ServiceClient(), "9fe1d3")
    th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleUpdateResourceSuccessfully(t)
    updateOpts := resources.UpdateOpts{
        Description: "Staging Resource",
    }
    actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

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package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Step 7: Congratulations!
================================

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

exampleInputEmail

Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

Example to List RESOURCE

Example to Create a RESOURCE

Example to Update a RESOURCE

Example to Delete a RESOURCE

*/

package RESOURCE

Step 4: Acceptance Testing
================================

If we haven’t started working on the feature or bug fix, why are we talking about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code in a working OpenStack environment. Please do not submit code which you have only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers from all over the world use Gophercloud in many different projects. If you submit code which is untested, it can cause these projects to break or become unstable.

And, to be frank, submitting untested code will inevitably cause someone else to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of documentation [here](/acceptance) to help you build your own small OpenStack environment for testing.
Once you've confirmed you are able to test your code, proceed to [Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull Request.

Step 2: Create an Issue
========================

Every patch / Pull Request requires a corresponding issue. If you're fixing a bug for an existing issue, then there's no need to create a new issue.

However, if no prior issue exists, you must create an issue.

Reporting a Bug
---------------

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.
The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull
Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).

Also note how these issues provide links to the service’s Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

Step 1: Read Our Guides

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

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---
When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

### Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621).

In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:

```go
type Network struct {
    ID     string `json:"id"`
    Name   string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status string `json:"status"`
    Subnets   []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared    bool `json:"shared"`
}
```

to look like

```go
type Network struct {
    ID      string `json:"id"`
    Name    string `json:"name"`
    AdminStateUp bool `json:"admin_state_up"`
    Status  string `json:"status"`
    Subnets []string `json:"subnets"`
    TenantID string `json:"tenant_id"`
    Shared   bool `json:"shared"`
    AvailabilityZoneHints []string `json:"availability_zone_hints"`
}
```

We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a
'[]string' and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying that the API docs aren't useful or that the contributors who work on the API docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`'[]string'`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Code Hunting Tips
-----------------

OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.
* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

### 1.1504 msgp v1.1.0

#### 1.1504.1 Available under license:

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### 1.1505 busybox 1.28.4-r3

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.1514 jnr-netdb 1.1.6

1.1515 stringify-package 1.0.1
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1.1517 logstash-output-null 3.0.5

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.1530 go-daemon v0.1.5

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

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

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

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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

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

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

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

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

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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:

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

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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
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/* */
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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS \
  uv__io_t event_watcher; \

#define UV_IO_PRIVATE_PLATFORM_FIELDS \
  int rcount; \

int wcount;

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

Files: *

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1.1552 hk2-utils 2.5.0

1.1553 x-xerrors v0.0.0-20191204190536-9bdfabe68543

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1.1554 elastic-go-structform v0.0.6

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

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

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

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

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

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

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

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

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

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

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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
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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:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not
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You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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

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

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

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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1.1570 clockwork v0.1.0

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Clockwork - a scheduler process to replace cron

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

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.](http://adam.heroku.com/past/2010/4/13/rethinking_cron/)

Clockwork is a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Example

-------

Create schedule.rb:

```ruby
require 'clockwork'
include Clockwork

every('10s') { puts 'every 10 seconds' }
every('3m') { puts 'every 3 minutes' }
every('1h') { puts 'once an hour' }
every('1d', :at => '00:00') { puts 'every night at midnight' }
```

- Open Source Used In MSX Platform Infrastructure 4.0.0 12649
Run it with the clockwork binary:

$ clockwork schedule.rb

Or run directly with Ruby:

$ ruby -r schedule -e Clockwork.run

Use with queueing

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

Clockwork only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as [Delayed Job](http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job), [Beanstalk/Stalker](http://adam.heroku.com/past/2010/4/24/beanstalk_a简单_and_fast_queueing_backend/), [RabbitMQ/Minion](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/), or [Resque](http://github.com/blog/542-introducing-resque). This design allows a simple scheduler process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```ruby
require 'clockwork'
include Clockwork

require 'stalker'
include Stalker

every('1h') { enqueue('feeds.refresh') }
every('1d', :at => '01:30') { enqueue('reminders.send') }
```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the scheduler process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment. For example, with DJ/Rails:

```ruby
require 'config/boot'
require 'config/environment'
require 'clockwork'
include Clockwork

every('1h') { Feed.send_later(:refresh) }
every('1d', :at => '01:30') { Reminder.send_later(:send_reminders) }
```
In production
-------------

Only one scheduler process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

* Machine 1: 3 web (thin start), 3 workers (rake jobs:work), 1 scheduler (clockwork schedule.rb)
* Machine 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your scheduler process running the same way you keep your web and workers running.

Meta
----

Created by Adam Wiggins

Inspired by [rufus-scheduler](http://rufus.rubyforge.org/rufus-scheduler/) and [http://github.com/bvandenbos/resque-scheduler](resque-scheduler)

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http://github.com/adamwiggins/clockwork

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1.1571 kr-fs v0.1.0

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public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");

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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/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/krb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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John Colosi (VeriSign)
Srikanth Veeramachaneni (VeriSign)
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*/

package license

import (  
"context"  
"flag"

"github.com/vmware/govmomi/govc/cli"  
"github.com/vmware/govmomi/govc/flags"
type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}
func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string

    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
            id = client.ServiceContent.About.InstanceUuid
        } else {
            id = cluster.Reference().Value
        }
    }
    return nil
}
if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

package simulator

import (
    "context"
    "reflect"
    "testing"
    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()

    defer m.Remove()
err := m.Create()
if err != nil {
    t.Fatal(err)
}

s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
am, err := lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
}

if len(la) != 1 {
    t.Fatal("no licenses")
}
func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()
    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }
    s := m.Service.NewServer()
    defer s.Close()
    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }
    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err == nil {
        t.Fatal("expected error")
    }
    la, err := lm.List(ctx)
    if err != nil {
        t.Fatal(err)
    }
    if len(la) != 1 {
        t.Fatal("no licenses")
    }
    if !reflect.DeepEqual(la[0], EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()
defer m.Remove()

err := m.Create()
if err != nil {
    t.Fatal(err)
}

s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}  
info, err := lm.Add(ctx, key, labels)
if err != nil {
    t.Fatal(err)
}

if info.LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}

if len(info.Labels) != len(labels) {
    t.Fatal("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}

if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key: value}; got {s:s}", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 2 {
    t.Fatal("no licenses")
}
if la[1].LicenseKey != key {
t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
t.Fatalf("expect label to be {key:value}; got {s:s}", la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
t.Fatal(err)
}

if len(la) != 1 {
t.Fatal("no licenses")
}

package license

import (
"context"
"flag"

"github.com/vmware/govmomi/govc/cli"
"github.com/vmware/govmomi/govc/flags"
"github.com/vmware/govmomi/license"
)

var featureUsage = "List licenses with given feature"

type ls struct {
  *flags.ClientFlag
  *flags.OutputFlag

  feature string
}

func init() {
  cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)

  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)

  f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }

  return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
  client, err := cmd.Client()
  if err != nil {
    return err
  }

  m := license.NewManager(client)
result, err := m.List(ctx)
if err != nil {
    return err
}

if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

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*/

package license

import (
    "context"
    "flag"
    "fmt"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{}}
}
func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }

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result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}
return cmd.WriteResult(licenseOutput(result))

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if !["$(govc license.ls -json | jq -r .[0].EditionKey)" != "eval"]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[].select(.LicenseKey == "\$1")"
}

get_property() {
    jq ".Properties[].select(.Key == "\$1") .Value"
}

get_label() {
    govc license.ls -json | jq ".[].select(.LicenseKey == "\$1") .Labels[].select(.Key == "\$2") .Value"
}

get_nlabel() {
    govc license.ls -json | jq ".[].select(.LicenseKey == "\$1") .Labels[].Key" | wc -l
}
@test "license.add" {
    esx_env
    verify_evaluation

    run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00000-00002
    assert_success

    # Expect to see an entry for both the first and the second key
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00001 <<<${output} | get_property diagnostic)"
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"
}

@test "license.remove" {
  esx_env

  verify_evaluation

  run govc license.remove -json 00000-00000-00000-00000-00001
  assert_success
}

@test "license.ls" {
  vcsim_env

  verify_evaluation

  run govc license.ls -json
  assert_success

  # Expect the test instance to run in evaluation mode
  assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 >>>${output} | jq -r ".Name")"
}

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')</n
}

@test "license.label.set" {
  vcsim_env

  key=00000-00000-00000-00000-00000

  assert_equal 0 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"

  run govc license.label.set $key foo bar
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
assert_equal bar "$(get_label $key foo)"

run govc license.label.set $key biz baz
assert_success
run govc license.label.set $key foo bar2
assert_success

assert_equal 2 "$(get_nlabel $key)"
assert_equal bar2 "$(get_label $key foo)"

run govc license.label.set $key foo ""
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
}
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package simulator

import (
// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
    if r.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }
    for _, license := range m.Licenses {
        // Insert code to handle each license
    }
}
if license.LicenseKey == req.LicenseKey {
    body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
    return body
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
    LicenseKey: req.LicenseKey,
    Labels:     req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{ },
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
            return body
        }
    }
    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{
    }

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels {
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
                }
            }
        }
    }
}
} else {
    label.Value = req.LabelValue
}
return body
}

license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})
return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }
}

// EntityId can be a HostSystem or the vCenter InstanceUuid
if req.EntityId != "" {
    if req.EntityId != Map.content().About.InstanceUuid {
        id := types.ManagedObjectReference{
            Type: "HostSystem",
            Value: req.EntityId,
        }

        if Map.Get(id) == nil {
            return body
        }
    }
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    {
        EntityId: req.EntityId,
        AssignedLicense: EvalLicense,
    },

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

package license

import (  
    "context"  
    "flag"
type label struct {
*flags.ClientFlag
}

func init() {
cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.
Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team ""  # remove label
govc license.ls -json | jq ".[] | select(.Labels[].Key == "team") | .LicenseKey"
`}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:       m.Reference(),
        LicenseKey: f.Arg(0),
    }

    // Set or update license label
    // ...
LabelKey: f.Arg(1),
LabelValue: f.Arg(2),
}

_, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
return err

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package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{}
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}
func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

# People who can (and typically have) contributed to this repository.
#
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#

Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbobzenko@fb.com>
Alex Ellis (VMware) <alexellis2@gmail.com>
Alex <puzo2002@gmail.com>
Alvaro Miranda <kikitux@gmail.com>
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla.vmware.com>
amit bezalel <amit.bezalel@hpe.com>
Andrew <AndrewDi@users.noreply.github.com>
Andrew Chin <andrew@andrewtchin.com>
Andrew Kutz <akutz@vmware.com>
Andrey Klimentyev <andrey.klimentyev@flant.com>
Anfernee Yongkun Gui <agui@vmware.com>
angystardust <angystardust@users.noreply.github.com>
aniketGslab <aniket.shinde@gslab.com>
Arran Walker <arran.walker@zopa.com>
Artem Anisimov <aanisimov@inbox.ru>
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*/

package license

import {
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
}

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{...}
func (m Manager) AddLicense(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}
func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    f := strings.Split(feature, ":")

    if len(f) > 1 {
        lf := new(licenseFeature)
        lf.name = f[0]
        if len(f) > 1 {
            lf.level = f[1]
        }

        return lf
    }

    return nil
}
var err error
lf.level, err = strconv.Atoi(f[1])
if err != nil {
    lf.name = feature
}
return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }

        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }

        lf := parseLicenseFeature(kv.Key)
        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }
    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}
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*/

package license

import (  
    "context"  
    "flag"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"
)

type remove struct {
*flags.ClientFlag
*flags.OutputFlag

func init() {
cli.Register("license.remove", &remove { })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
cmd.ClientFlag.Register(ctx, f)

cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
  return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
  return err
}
return nil
}

func (cmd *remove) Usage() string {
return "KEY...
"
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
client, err := cmd.Client()
if err != nil {
  return err
}

m := license.NewManager(client)
for _, v := range f.Args() {
  err = m.Remove(ctx, v)
  if err != nil {
    return err
  }
}

return nil
}
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*/

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    "context"  
    "flag"  
    "fmt"  
    "io"  
    "os"  
    "text/tabwriter"

    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {  
    *flags.ClientFlag  
    *flags.OutputFlag

    id string
}

func init() {  
    cli.Register("license.assigned.ls", &assigned{ })
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
    cmd.OutputFlag.Register(ctx, f)
f.StringVar(&cmd.id, "id", "," , "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }
    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }
    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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Paul Borman <borman@google.com>
bmatsuo
shawnps
t therapy
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package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"
    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
"
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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*/

package license

import (  
  "context"
  "github.com/vmware/govmomi/object"
  "github.com/vmware/govmomi/vim25/methods"
  "github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {
  object.Common
}
func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
  req := types.QueryAssignedLicenses{
    This:     m.Reference(),
    EntityId: id,
  }

  res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
  if err != nil {
    return nil, err
  }

  return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
  req := types.RemoveAssignedLicense{
    This:     m.Reference(),
    EntityId: id,
  }

  _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

  return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
  req := types.UpdateAssignedLicense{
    This:              m.Reference(),
    Entity:            id,
    LicenseKey:        key,
    EntityDisplayName: name,
  }

  res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
  if err != nil {
    return nil, err
  }

  return &res.Returnval, nil
}

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache
The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1597 capnslog v0.0.0-20160727233714-3ac0863d7acf

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1.1604 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
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LIBGCRYPT Werner Koch 2001-06-07
Assigns past and future changes.
Assignment for future changes terminated on 2012-12-04.
wk@gnupg.org
Designed and implemented Libgcrypt.
GNUPGMatthew Skala 1998-08-10
Disclaims changes.
mskala@ansuz.sooke.bc.ca
Wrote cipher/twofish.c.

GNUPGNatural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.

GNUPGMichael RothGermany 1998-09-17
Assigns changes.
mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPGNiklas Hernaeus 1998-09-18
Disclaims changes.
hn@df.lth.se
Weak key patches.

GNUPGRmi Guyomarch1999-05-25
Assigns past and future changes. (g10/compress.c, g10/encr-data.c,
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rguyom@mail.dotcom.fr

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LIBGCRYPT Timo Schulz 2001-08-31
Assigns past and future changes.
twoaday@freakmail.de

LIBGCRYPT Simon Josefsson 2002-10-25
Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode,
CTS/MAC flags, self test improvements)
simon@josefsson.org

LIBGCRYPT Moritz Schulte2003-04-17
Assigns past and future changes.
moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPTThe Written Word2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrrnd.S, mpi/hppa1.1/mpi-mul2.S, mpi/hppa1.1/mpi-mul1.S, mpi/Makefile.am, tests/prime.c, tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT    Brad Hards    2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex. added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT    Hye-Shik Chang    2006-09-07
Assigns Past and Future Changes
perky@freebsd.org
(SEED cipher)

LIBGCRYPT    Werner Dittmann    2009-05-20
Assigns Past and Future Changes
werner.dittmann@t-online.de
(mpi/amd64, tests/mpitests.c)

GNUPG    David Shaw
Assigns past and future changes.
dshaw@jabberwocky.com
(cipher/camellia-glue.c and related stuff)

LIBGCRYPT    Andrey Jivsov    2010-12-09
Assigns Past and Future Changes
openpgp@brainhub.org
(cipher/ecc.c and related files)

LIBGCRYPT    Ulrich Miller    2012-02-15
Assigns Past and Future Changes
ulm@gentoo.org
(Changes to cipher/idea.c and related files)

LIBGCRYPT    Vladimir Serbinenko    2012-04-26
Assigns Past and Future Changes
phcoder@gmail.com
(cipher/serpent.c)

Authors with a DCO

Andrei Scherer <andsch@inbox.com>
2014-08-22:BF7CEF794F9.000003F0andsch@inbox.com:
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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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  jar/javassist bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/MemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1136405427_1613762483.76/0/javassist-3-22-0-ga-sources-4-
  jar/javassist bytecode/annotation/Annotation.java

1.1641 extsprintf 1.4.0
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1.1642 gmp 6.1.2 r1

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Upstream-Contact: Petter Reinholdtsen <pere@hungry.com>
Source: http://savannah.nongnu.org/projects/sysvinit

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1.1646 spf13-pflag v1.0.5

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1.1647 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 <progsame.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
  proper_name ("Paul Eggert"), \
  proper_name ("Mike Haertel"), \
  proper_name ("David Hayes"), \
  proper_name ("Richard Stallman"), \
proper_name("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
    char *regexps;/* chars representing disjunction of the regexps */
    size_t len;/* chars used in 'regexps' */
    size_t size;/* size malloc'ed for 'regexps'; 0 if not malloc'ed */
    bool multiple_regexps;/* Does 'regexps' represent a disjunction? */
    struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). */
    On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true }
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty */
    (--unidirectional-new-file). */
static bool unidirectional_new_file;
/ * Report files compared that are the same (-s). 
Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abCcD:dEfF:hHiI:L:nNpQrsS:tTuU:vWwX:x:yzZ";

/ * Values for long options that do not have single-letter equivalents. */
enum
{
  BINARY_OPTION = CHAR_MAX + 1,
  FROM_FILE_OPTION,
  HELP_OPTION,
  HORIZON_LINES_OPTION,
  IGNORE_FILE_NAME_CASE_OPTION,
  INHIBIT_HUNK MERGE OPTION,
  LEFT_COLUMN_OPTION,
  LINE_FORMAT_OPTION,
  NO_DEREFERENCE_OPTION,
  NO_IGNORE_FILE_NAME_CASE OPTION,
  NORMAL OPTION,
  SDIFF MERGE ASSIST OPTION,
  STRIP_TRAILING_CR_OPTION,
  SUPPRESS BLANK_EMPTY OPTION,
  SUPPRESS COMMON_LINES OPTION,
  TABSIZE OPTION,
  TO_FILE OPTION,

  / * These options must be in sequence. */
  UNCHANGED LINE_FORMAT OPTION,
  OLD_LINE_FORMAT OPTION,
  NEW_LINE_FORMAT OPTION,

  / * These options must be in sequence. */
  UNCHANGED_GROUP_FORMAT OPTION,
  OLD_GROUP_FORMAT OPTION,
  NEW_GROUP_FORMAT OPTION,
  CHANGED_GROUP_FORMAT OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
  "--unchanged-group-format",
  "--old-group-format",
  "--new-group-format",
  "--changed-group-format"
};
static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
    "--unchanged-line-format",
    "--old-line-format",
    "--new-line-format"
};

static struct option const longopts[] =
{
    {"binary", 0, 0, BINARY_OPTION},
    {"brief", 0, 0, 'q'},
    {"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
    {"context", 2, 0, 'C'},
    {"ed", 0, 0, 'e'},
    {"exclude", 1, 0, 'x'},
    {"exclude-from", 1, 0, 'X'},
    {"expand-tabs", 0, 0, 't'},
    {"forward-ed", 0, 0, 'f'},
    {"from-file", 1, 0, FROM_FILE_OPTION},
    {"help", 0, 0, HELP_OPTION},
    {"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
    {"ifdef", 1, 0, 'D'},
    {"ignore-all-space", 0, 0, 'w'},
    {"ignore-blank-lines", 0, 0, 'B'},
    {"ignore-case", 0, 0, 'i'},
    {"ignore-file-name-case", 0, 0, IGNORE_FILE_NAME_CASE_OPTION},
    {"ignore-matching-lines", 1, 0, 'I'},
    {"ignore-space-change", 0, 0, 'b'},
    {"ignore-tab-expansion", 0, 0, 'E'},
    {"ignore-trailing-space", 0, 0, 'Z'},
    {"inhibit-hunk-merge", 0, 0, INHIBIT_HUNK_MERGE_OPTION},
    {"initial-tab", 0, 0, 'T'},
    {"label", 1, 0, 'L'},
    {"left-column", 0, 0, LEFT_COLUMN_OPTION},
    {"line-format", 1, 0, LINE_FORMAT_OPTION},
    {"minimal", 0, 0, 'd'},
    {"new-file", 0, 0, 'N'},
    {"new-group-format", 1, 0, NEW_GROUP_FORMAT_OPTION},
    {"new-line-format", 1, 0, NEW_LINE_FORMAT_OPTION},
    {"no-dereference", 0, 0, NO_DEREFERENCE_OPTION},
    {"no-ignore-file-name-case", 0, 0, NO_IGNORE_FILE_NAME_CASE_OPTION},
    {"normal", 0, 0, NORMAL_OPTION},
    {"old-group-format", 1, 0, OLD_GROUP_FORMAT_OPTION},
    {"old-line-format", 1, 0, OLD_LINE_FORMAT_OPTION},
    {"paginate", 0, 0, 't'},
    {"rcs", 0, 0, 'n'},
    {"recursive", 0, 0, 'r'},
};
{"report-identical-files", 0, 0, 's'},
{"sdiff-merge-assist", 0, 0, SDIFF_MERGE_ASSIST_OPTION},
{"show-c-function", 0, 0, 'p'},
{"show-function-line", 1, 0, 'F'},
{"side-by-side", 0, 0, 'y'},
{"speed-large-files", 0, 0, 'H'},
{"starting-file", 1, 0, 'S'},
{"strip-trailing-cr", 0, 0, STRIP_TRAILING_CR_OPTION},
{"suppress-blank-empty", 0, 0, SUPPRESS_BLANK_EMPTY_OPTION},
{"suppress-common-lines", 0, 0, SUPPRESS_COMMON_LINES_OPTION},
{"tabsize", 1, 0, TABSIZE_OPTION},
{"text", 0, 0, 'a'},
{"to-file", 1, 0, TO_FILE_OPTION},
{"unchanged-group-format", 1, 0, UNCHANGED_GROUP_FORMAT_OPTION},
{"unchanged-line-format", 1, 0, UNCHANGED_LINE_FORMAT_OPTION},
{"unidirectional-new-file", 0, 0, 'P'},
{"unified", 2, 0, 'U'},
{"version", 0, 0, 'v'},
{"width", 1, 0, 'W'},
{0, 0, 0}
};

/* 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;
lin ocontext = -1;
bool explicit_context = false;
size_t width = 0;
bool show_c_function = false;
char const *from_file = NULL;
char const *to_file = NULL;
uintmax_t numval;
char *numend;

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

/* Decode the options. */
while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
switch (c)
{
    case 0:
        break;

    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':
    case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;

    case 'a':
        text = true;
        break;

    case 'b':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space = IGNORE_SPACE_CHANGE;
        break;

    case 'Z':
        if (ignore_white_space < IGNORE_SPACE_CHANGE)
            ignore_white_space |= IGNORE_TRAILING_SPACE;
        break;

    case 'B':
        ignore_blank_lines = true;
        break;

    case 'C':
    case 'U':
        {
            if (optarg)
                {
                    numval = strtoumax (optarg, &numend, 10);
                    if (*numend)
                        try_help ("invalid context length '%s'", optarg);
                    if (LIN_MAX < numval)
numval = LIN_MAX;
}
else
  numval = 3;

specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
if (context < numval)
  context = numval;
  explicit_context = true;
}
break;

case 'c':
  specify_style (OUTPUT_CONTEXT);
  if (context < 3)
    context = 3;
  break;

case 'd':
  minimal = true;
  break;

case 'D':
  specify_style (OUTPUTIFDEF);
  {
    static char const C_ifdef_group_formats[] =
      "%*s%c ifndef %s\n\n%%endif */ ! %s */\n%c ifndef %s\n%*s */\n%c ifdef %s\n%%>#endif /* %s */
%c ifndef %s\n%%<#else /* %s */
%%>#endif /* %s */
";
    char *b = xmalloc (sizeof C_ifdef_group_formats
      + 7 * strlen (optarg) - 14 /* 7*"%s"*/
      - 8 /* 5*"%c" + 3*"%c" */);
    sprintf (b, C_ifdef_group_formats,
      optarg, optarg, 0,
      optarg, optarg, 0,
      optarg, optarg, optarg);  
    for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
      {
        specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
      }
    }
  break;

case 'e':
  specify_style (OUTPUT_ED);
  break;
case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'T':
    specify_style (OUTPUT_FORWARD_ED);
    break;

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

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

       This currently has no effect. */
    break;

case 'H':
    speed_large_files = true;
    break;

case 'i':
    ignore_case = true;
    break;

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

case 'L':
    if (!pr_program[0])
        try_help ("pagination not supported on this host", NULL);
    paginate = true;
    #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;
binary


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


case 'P':
    unidirectional_new_file = true;
binary


case 'q':
    brief = true;
binary


case 'r':
    recursive = true;
binary


case 's':
    report_identical_files = true;
binary


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


case 't':
    expand_tabs = true;
binary


case 'T':
    initial_tab = true;
binary


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)
        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
  /* 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. */

```c
intmax_t t = expand_tabs ? 1 : tabsize;
intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
sdiff_half_width = max (0, min (off - GUTTER_WIDTH_MINIMUM, w - off));
sdiff_column2_offset = sdiff_half_width ? off : w;
}
/* Make the horizon at least as large as the context, so that shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
    horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
if (!line_format[i])
    line_format[i] = "\%\n";
if (!group_format[OLD])
    group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "\%<";
if (!group_format[NEW])
    group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "\%>";
if (!group_format[UNCHANGED])
    group_format[UNCHANGED] = "\%=";
    if (!group_format[CHANGED])
    group_format[CHANGED] = concat (group_format[OLD], group_format[NEW], "\"");
}

no_diff_means_no_output =
(output_style == OUTPUT_IFDEF ?
(* group_format[UNCHANGED]
  || (STREQ (group_format[UNCHANGED], "\%=")
  && (* line_format[UNCHANGED])))
  : (output_style != OUTPUT_SDIFF) | suppress_common_lines);
```
files_can_be_treated_as_binary =
(brief & binary
  & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
    | (ignore RegExp_list.regexps || ignore white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
  if (to_file)
    fatal ("--from-file and --to-file both specified");
  else
    for (; optind < argc; optind++)
    {
      int status = compare_files (NULL, from_file, argv[optind]);
      if (exit_status < status)
        exit_status = status;
    }
  }
else
{
  if (to_file)
    for (; optind < argc; optind++)
    {
      int status = compare_files (NULL, argv[optind], to_file);
      if (exit_status < status)
        exit_status = status;
    }
  else
  {
    if (argc - optind != 2)
    {
      if (argc - optind < 2)
        try_help ("missing operand after \"%s\", argv[argc - 1]);
      else
        try_help ("extra operand \"%s\", argv[optind + 2]);
    }
    exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
  }
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;
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)
            do size *= 2;
            while (size <= newlen);

        reglist->size = size;
        reglist->regexps = regexps = xrealloc (regexps, size);
    }
    if (multiple_regexps)
        { 
            regexps[len++] = '\';
            regexps[len++] = '|';
        }
        memcpy (regexps + len, pattern, patlen + 1);
    }

/* Ensure that REGLIST represents the disjunction of its regexps.
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
/* At least one regexp was specified. Allocate a fastmap for it. */
reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
if (reglist->multiple_regexps)
{
/* Compile the disjunction of the regexps.
(If just one regexp was specified, it is already compiled.) */
char const *m = re_compile_pattern (reglist->regexps, reglist->len,
reglist->buf);
if (m)
error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
}
}
}
static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."),
program_name);
abort ();
}
static void
check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}
static char const * const option_help_msgid[] = {
N_(" --normal
output a normal diff (the default)"),
N_("-q, --brief
report only when files differ"),
N_("-s, --report-identical-files report when two files are the same"),
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
N_("-e, --ed
output an ed script"),
N_("-n, --rcs
output an RCS format diff"),
N_("-y, --side-by-side
output in two columns"),
N_("-W, --width=NUM
output at most NUM (default 130) print columns"),
N_(" --left-column
output only the left column of common lines"),
N_(" --suppress-common-lines do not output common lines"),
"",
N_("-p, --show-c-function
show which C function each change is in"),
N_("-F, --show-function-line=RE show the most recent line matching RE"),

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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_("-S, --starting-file=FILE start with FILE when comparing directories"),
N_(" --from-file=FILE1 compare FILE1 to all operands;\n"    FILE1 can be a directory"),
N_(" --to-file=FILE2 compare all operands to FILE2;\n"    FILE2 can be a directory"),

N_("-i, --ignore-case ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space ignore white space at line end"),
N_("-b, --ignore-space-change ignore changes in the amount of white space"),
N_("-w, --ignore-all-space ignore all white space"),
N_("-B, --ignore-blank-lines ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),

N_("-a, --text treat all files as text"),
N_(" --strip-trailing-cr strip trailing carriage return on input"),

#if O_BINARY
N_(" --binary read and write data in binary mode"),
#endif

N_("--ifdef=NAME output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("--line-format=LFMT format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT format LTYPE input lines with LFMT"),
N_(" These format options provide fine-grained control over the output\n"    of diff, generalizing -D/-ifdef.\n"    LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'.\n"),
N_(" GFMT (only) may contain:\n%< lines from FILE1\n%> lines from FILE2\n%= lines common to FILE1 and FILE2\n")
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

Both GFMT and LFMT may contain:

- %L contents of line
- %l contents of line, excluding any trailing newline
- %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)

Mandatory arguments to long options are mandatory for short options too.

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

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

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

  fputs (_("Mandatory arguments to long options are mandatory for short options too.
"), 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 != '\n' && *msg != '-', msg);
}
  emit_bug_reporting_address();
}

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

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

/* Set the last-modified time of *ST to be the current time. */

static void
set_mtime_to_now (struct stat *st)
{
  #ifdef STAT_TIMESPEC


gettime (&STAT_TIMESPEC (st, st_mtim));
#else
struct timespec t;
gettime (&t);
st->st_mtime = t.tv_sec;
#endif
#if defined STAT_TIMESPEC_NS
STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
#else defined HAVE_STRUCT_STAT_ST_SPARE1
st->st_spare1 = t.tv_nsec / 1000;
#endif
}

/* Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
   char const *name0,
   char const *name1)
{
   struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
   register int f;
   int status = EXIT_SUCCESS;
   bool same_files;
   char *free0;
   char *free1;

   /* If this is directory comparison, perhaps we have a file
      that exists only in one of the directories.
      If so, just print a message to that effect. */
   if (! ((name0 && name1)
        || (unidirectional_new_file && name1)
        || new_file))
   {
      char const *name = name0 ? name0 : name1;
      char const *dir = parent->file[!name0].name;

      /* See POSIX 1003.1-2001 for this format. */
      message ("Only in %s: %s\n", dir, name);
/* Return EXIT_FAILURE so that diff_dirs will return EXIT_FAILURE ("some files differ"). */
return EXIT_FAILURE;
}

memset (cmp.file, 0, sizeof cmp.file);
cmp.parent = parent;

/* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */

#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;
if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0
    = file_name_concat (parent->file[0].name, name0, NULL);
    cmp.file[1].name = free1
    = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
cmp.file[f].desc = cmp.file[0].desc;
cmp.file[f].stat = cmp.file[0].stat;
}
else if (STREQ (cmp.file[f].name, "-"))
{
    cmp.file[f].desc = STDIN_FILENO;
    if (binary && ! isatty (STDIN_FILENO))
        set_binary_mode (STDIN_FILENO, O_BINARY);
    if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
        cmp.file[f].desc = ERRNO_ENCODE (errno);
    else
    {
        if (S_ISREG (cmp.file[f].stat.st_mode))
        {
            off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
            if (pos < 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
            {
                cmp.file[f].stat.st_size =
                    MAX (0, cmp.file[f].stat.st_size - pos);
            }
        }
        /* POSIX 1003.1-2001 requires current time for
           stdin. */
        set_mtime_to_now (&cmp.file[f].stat);
        }
    }
    else if ((no_dereference_symlinks
        ? lstat (cmp.file[f].name, &cmp.file[f].stat)
        : stat (cmp.file[f].name, &cmp.file[f].stat))
        != 0)
        cmp.file[f].desc = ERRNO_ENCODE (errno);
    }
    }
/* Mark files as nonexistent as needed for -N and -P, if they are
   inaccessible empty regular files (the kind of files that 'patch'
   creates to indicate nonexistent backups), or if they are
   top-level files that do not exist but their counterparts do
   exist. */
for (f = 0; f < 2; f++)
    if ((new_file || (f == 0 && unidirectional_new_file))
        && (cmp.file[f].desc == UNOPENED
            ? (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);
    }

    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 && 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\n",
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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1.1649 depd 2.0.0

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1.1651 curl 7.67.0-r0  

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1.1653 init-package-json 1.10.3
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1.1655 ip-regex 2.1.0

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1.1656 ghodss-yaml v1.0.0

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1.1657 registry-auth-token 3.4.0

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description: Pipeline for normalizing Zeek notice.log
processors:
  - set:
      field: event.ingested
      value: '{{_ingest.timestamp}}'
  - set:
      field: event.created
      value: '{{@timestamp}}'
  - date:
      field: zeek.notice.ts
      formats:
        - UNIX
      remove:
        field: zeek.notice.ts
  - geoip:
      field: destination.ip
      target_field: destination.geo
      ignore_missing: true
  - geoip:
      field: source.ip
      target_field: source.geo
      ignore_missing: true
  - geoip:
      database_file: GeoLite2-ASN.mmdb
      field: source.ip
      target_field: source.as
      properties:
        - asn
        - organization_name
      ignore_missing: true
  - geoip:
database_file: GeoLite2-ASN.mmdb
field: destination.ip
target_field: destination.as
properties:
- asn
- organization_name
ignore_missing: true
- rename:
field: source.as.asn
target_field: source.as.number
ignore_missing: true
- rename:
field: source.as.organization_name
target_field: source.as.organization.name
ignore_missing: true
- rename:
field: destination.as.asn
target_field: destination.as.number
ignore_missing: true
- rename:
field: destination.as.organization_name
target_field: destination.as.organization.name
ignore_missing: true
- append:
field: related.ip
value: "{{source.ip}}"
if: "ctx?.source?.ip != null"
- append:
field: related.ip
value: "{{destination.ip}}"
if: "ctx?.destination?.ip != null"
- append:
field: event.type
value: allowed
if: "ctx?.zeek?.notice?.dropped == false"
- append:
field: event.type
value: denied
if: "ctx?.zeek?.notice?.dropped == true"
on_failure:
- set:
field: error.message
value: '{{ _ingest.on_failure_message }}'
<5>1 2021-03-09T10:17:54Z VAULT
{"format":"elastic","version":"1.0","syslog":{"audit_record":{"Rfc5424":"yes","Timestamp":"Mar 09
02:17:54","IsoTimestamp":"2021-03-09T10:17:54Z","Hostname":"VAULT","Vendor":"CyberArk","Product":"Vault","Version":"11.7.0000","MessageID":"356","Desc":"Monitor License Expiration Date
end","Severity":"Info","Issuer":"Batch","Action":"Monitor License Expiration Date

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Version: v0.0.0-20151128191922-287798fe3e43
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Version: v0.0.0-20160902184237-e75332964ef5
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Dependency : github.com/aws/aws-lambda-go
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Licence type (autodetected): Apache-2.0

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Dependency : github.com/dop251/goja_nodejs
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Dependency : github.com/dustin/go-humanize
Version: v1.0.0
Licence type (autodetected): MIT

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Dependency : github.com/fatih/color
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Version: v0.0.0-20170324095351-ffef3ffc77be
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Version: v1.7.2-0.20170925184458-7a6b2bf521e9
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Version: v0.0.0-20200227161230-57ec251c7eb3
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Dependency : github.com/jarcoal/httpmock
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Dependency : github.com/jmoiron/sqlx
Version: v1.2.1-0.20190826204134-d7d95172beb5
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Dependency : github.com/joeshaw/multierror
Version: v0.0.0-20140124173710-69b34d4ec901
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Dependency : github.com/jonboulle/clockwork
Version: v0.2.2
Licence type (autodetected): Apache-2.0

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Version: v1.1.1-0.20200924160513-057808572ffa
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Dependency : github.com/magefile/mage
Version: v1.11.0
Licence type (autodetected): Apache-2.0
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Version: v0.0.0-20170116052023-ab25296c0f51
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Dependency: github.com/prometheus/client_model
Version: v0.0.0-20190812154241-14fe0d1b01d4
Licence type (autodetected): Apache-2.0

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Dependecy : github.com/shopspring/decimal
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Dependency : google.golang.org/grpc
Version: v1.29.1
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Dependency : k8s.io/client-go
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Version: v0.0.0-20170623195520-56545f4a5d46
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Dependency : github.com/awslabs/goformation/v3
Version: v3.1.0
Licence type (autodetected): Apache-2.0

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Version: v1.0.1
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Version: v0.2.1
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Version: v1.1.0
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Dependency : github.com/chzyer/logex
Version: v1.1.10
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Version: v0.0.0-20180603132655-2972be24d48e
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Dependency : github.com/chzyer/test
Version: v0.0.0-20180213035817-a1ea475d72b1
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Version: v0.3.4
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Dependency : github.com/cncf/udpa/go
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Dependency : github.com/containerd/console
Version: v0.0.0-20180822173158-c12b1e7919c1
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Dependency : github.com/cpuguy83/go-md2man
Version: v1.0.10
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Dependency: github.com/creack/pty
Version: v1.1.9
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Dependency : github.com/cucumber/godog
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Dependency : github.com/cyphar/filepath-securejoin
Version: v0.2.2
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Dependency : github.com/davecgh/go-spew  
Version: v1.1.1  
Licence type (autodetected): ISC  

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Dependency: github.com/davecgh/go-xdr
Version: v0.0.0-20161123171359-e6a2ba005892
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Dependency: github.com/devigned/tab
Version: v0.1.2-0.20190607222403-0c15cf42f9a2
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Dependency : github.com/dgraph-io/ristretto
Version: v0.0.3-0.20200630154024-f66de99634de
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Version: v1.1.0
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Dependency : github.com/dlclark/regexp2
Version: v1.1.7-0.20171009020623-7632a260cbaf
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Version: v2.7.1+incompatible
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Licence type (autodetected): Apache-2.0

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Version: v1.0.1
Licence type (autodetected): Apache-2.0

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Version: v0.0.0-20170410110728-ff4f55a20633
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Version: v0.0.0-20191125171704-12ad95a8d72
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Dependency : github.com/go-ole/go-ole
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Dependency : github.com/golang-sql/civil
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Licence type (autodetected): Apache-2.0

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Dependency : github.com/ianlancetaylor/demangle
Version: v0.0.0-20181102032728-5e5cf60278f6
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Go package for parsing (and, eventually, generating) log lines in the logfmt style.

See http://godoc.org/github.com/kr/logfmt for format, and other documentation and examples.

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goproperties - properties file decoder for Go

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Version: v0.0.0-20150707142108-ec18f8345a11
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Dependency : github.com/mattn/go-ieproxy
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Dependency : github.com/mattn/go-isatty
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Dependency: github.com/mattn/go-sqlite3
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Dependency: github.com/matttproud/golang_protobuf_extensions
Version: v1.0.2-0.20181231171920-c182affec369
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Dependency : github.com/mitchellh/go-homedir
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Version: v1.0.0
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Dependency : github.com/munnerz/goautoneg
Version: v0.0.0-20120707110453-a547fc61f48d
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Dependency : github.com/mwitkow/go-conntrack
Version: v0.0.0-20161129095857-cc309e4a2223
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Dependency : github.com/mxk/go-flowrate
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Version: v0.0.0-20200227124842-a10e7caef8e
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Dependency : github.com/onsi/ginkgo
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Dependency: github.com/opencontainers/image-spec
Version: v1.0.2-0.20190823105129-775207bd45b6
Licence type (autodetected): Apache-2.0
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Version: v1.0.0
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Version: v1.3.1
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Dependency : github.com/oxtoacart/bpool
Version: v0.0.0-20150712133111-4e1c5567d7c2
Licence type (autodetected): Apache-2.0

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Dependency : github.com/pelletier/go-toml
Version: v1.2.0
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Dependency : github.com/peterbourgon/diskv
Version: v2.0.1+incompatible
Licence type (autodetected): MIT

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Dependency : github.com/pierrec/lz4
Version: v2.5.2+incompatible
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Dependency : github.com/poy/eachers
Version: v0.0.0-20181020210610-23942921fe77
Licence type (autodetected): MIT

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Dependency : github.com/prometheus/client_golang
Version: v1.1.1-0.20190913103102-20428fa0bfffc
Licence type (autodetected): Apache-2.0

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Dependency: github.com/rogpeppe/go-internal
Version: v1.3.0
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Dependency : github.com/russross/blackfriday
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Dependency : github.com/samuel/go-parser
Version: v0.0.0-20130731160455-ca8abb65d0e
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Version: v0.0.0-20170819195128-ed9d249f429b
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Dependency : github.com/santhosh-tekuri/jsonschema
Version: v1.2.4
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Dependency : github.com/satori/go.uuid
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Dependency : github.com/smartystreets/assertions
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Version: v0.0.3-0.20170626215501-b2862e3d0a77
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Version: v0.0.0-20170403160031-b402f3114ec7
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Version: v1.0.0-20200902074654-038fdea0a05b
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Dependency : gopkg.in/errgo.v2
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Version: v1.4.7
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Version: v1.0.1
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package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in
http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html

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FUNCTIONS

func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header and a list of alternatives.

```go
cfunc ParseAccept(header string) (accept []Accept) {
    Parse an Accept Header string returning a sorted list of clauses
}
```

**TYPES**

type Accept struct {
    Type, SubType string
    Q float32
    Params map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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mgo - MongoDB driver for Go

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Dependency : rsc.io/binaryregexp
Version: v0.2.0
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Version: v4.0.1
Licence type (autodetected): Apache-2.0

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Dependency : sigs.k8s.io/yaml
Version: v1.2.0
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// under the License.
- name: notice
type: group
description: >
  Fields exported by the Zeek Notice log.
fields:
  - name: connection_id
type: keyword
description: >
  Identifier of the related connection session.

  - name: icmp_id
type: keyword
description: Identifier of the related ICMP session.

- name: file.id
type: keyword
description: An identifier associated with a single file that is related to this notice.

- name: file.parent_id
type: keyword
description: Identifier associated with a container file from which this one was extracted.

- name: file.source
type: keyword
description: An identification of the source of the file data. E.g. it may be a network protocol over which it was transferred, or a local file path which was read, or some other input source.

- name: file.mime_type
type: keyword
description: A mime type if the notice is related to a file.

- name: file.is_orig
type: boolean
description: If the source of this file is a network connection, this field indicates if the file is being sent by the originator of the connection or the responder.

- name: file.seen_bytes
type: long
description: Number of bytes provided to the file analysis engine for the file.

- name: file.total_bytes
type: long
description: Total number of bytes that are supposed to comprise the full file.

- name: file.missing_bytes
type: long
description: The number of bytes in the file stream that were completely missed during the process of analysis.

- name: file.overflow_bytes
type: long
description: |
The number of bytes in the file stream that were not delivered to stream file analyzers. This could be overlapping bytes or bytes that couldn't be reassembled.

- name: fuid
type: keyword
description: |
A file unique ID if this notice is related to a file.

- name: note
type: keyword
description: |
The type of the notice.

- name: msg
type: keyword
description: |
The human readable message for the notice.

- name: sub
type: keyword
description: |
The human readable sub-message.

- name: n
type: long
description: |
Associated count, or a status code.

- name: peer_name
type: keyword
description: |
Name of remote peer that raised this notice.

- name: peer_descr
type: text
description: |
Textual description for the peer that raised this notice.

- name: actions
type: keyword
description: |
The actions which have been applied to this notice.

- name: email_body_sections
type: text
description: |
By adding chunks of text into this element, other scripts can expand on notices that are being emailed.

- name: email_delay_tokens
type: keyword
description: |
  Adding a string token to this set will cause the built-in emailing functionality to delay sending the email either the token has been removed or the email has been delayed for the specified time duration.

- name: identifier
type: keyword
description: >
  This field is provided when a notice is generated for the purpose of deduplicating notices.

- name: suppress_for
type: double
description: >
  This field indicates the length of time that this unique notice should be suppressed.

- name: dropped
type: boolean
description: >
  Indicate if the source IP address was dropped and denied network access.
type: log
paths:
  [ { range $i, $path := .paths } ]
  - { ($path) }
  [ { end } ]
exclude_files: [".gz$"]
tags: { .tags | tojson }
publisher_pipeline.disable_host: { inList .tags "forwarded" }

json.keys_under_root: false

processors:
- drop_fields:
  fields: ["json.actions"]
  ignore_missing: true
- rename:
  fields:
  - from: "json"
    to: "zeek.notice"
  - from: "zeek.notice.src"
    to: "source.address"
  - from: "zeek.notice.dst"
to: "destination.address"

- from: "zeek.notice.uid"
to: "zeek.session_id"

- from: "zeek.notice.p"
to: "destination.port"

- from: "zeeknotice.conn"
to: "zeeknotice.connection_id"

- from: "zeek.notice.icpp"
to: "zeek.notice.icmp_id"

- from: "zeek.notice.id.orig_h"
to: "source.address"

- from: "zeek.notice.id.orig_p"
to: "source.port"

- from: "zeeknotice.id.resp_h"
to: "destination.address"

- from: "zeeknotice.id.resp_p"
to: "destination.port"

- from: "zeek.notice.proto"
to: "network.transport"

- from: "zeek.notice.id.orig_p"
to: "source.port"

- from: "zeek.notice.f.id"
to: "zeek.notice.file.id"

- from: "zeek.notice.f.parent_id"
to: "zeek.notice.file.parent_id"

- from: "zeeknotice.f.source"
to: "zeek.notice.file.source"

- from: "zeek.notice.f.is_orig"
to: "zeek.notice.file.is_orig"

- from: "zeek.notice.f.seen_bytes"
to: "zeek.notice.file.seen_bytes"

- from: "zeeknotice.f.total_bytes"
to: "zeek.notice.file.total_bytes"

- from: "zeek.notice.file.mime_type"
to: "zeek.notice.file.mime_type"

ignore_missing: true
fail_on_error: false

- drop_fields:
  fields: ["zeek.notice.remote_location", "zeek.notice.f"]
  ignore_missing: true

- convert:
  fields:
  - {from: "zeek.session_id", to: "event.id"}
  - {from: "source.address", to: "source.ip", type: "ip"}
  - {from: "destination.address", to: "destination.ip", type: "ip"}
  - {from: "zeeknotice.file.total_bytes", to: "file.size"}
  - {from: "zeek.notice.file.mime_type", to: "file.mime_type"}
  - {from: "zeek.notice.note", to: "rule.name"}
  - {from: "zeek.notice.msg", to: "rule.description"}
  ignore_missing: true
  fail_on_error: false

- add_fields:
  target: event
  fields:
  kind: alert
  category:
    - intrusion_detection
  type:
    - info
  - community_id:
    - add_fields:
      target: 
      fields:
      ecs.version: 1.9.0

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// specific language governing permissions and limitations
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package licenser
import (
"encoding/json"
"testing"
"time"
"github.com/stretchr/testify/assert"
)
func TestLicenseUnmarshal(t *testing.T) {
tests := map[string]struct {
lic string
want License
failing bool
}{
"basic license": {
lic: `{"uid": "1234", "type": "basic", "status": "active"}`,
want: License{UUID: "1234", Type: Basic, Status: Active},
},
"active enterprise": {
lic: `{"uid": "1234", "type": "enterprise", "status": "active"}`,
want: License{UUID: "1234", Type: Enterprise, Status: Active},
},
"expired enterprise": {
lic: `{"uid": "1234", "type": "enterprise", "status": "expired"}`,
want: License{UUID: "1234", Type: Enterprise, Status: Expired},
},
"trial": {
// 2018-09-27 15:06:21.728 +0000 UTC
lic: `{"uid": "1234", "type": "trial", "status": "active", "expiry_date_in_millis": 1538060781728}`,
want: License{UUID: "1234", Type: Trial, Status: Active, ExpiryDate: time.Date(2018, 9, 27, 15, 6, 21, 728000000,
time.UTC)},
},
}
for name, test := range tests {
t.Run(name, func(t *testing.T) {
var got License
if err := json.Unmarshal([]byte(test.lic), &got); err != nil {
if !test.failing {
t.Fatal(err)
}
return

Open Source Used In MSX Platform Infrastructure 4.0.0 16493


if test.failing {
t.Fail("expected license to be invalid")
}

assert.Equal(t, test.want, got)
}

func TestIsExpired(t *testing.T) {
expired := true

tests := map[string]struct {
    license License
    want    bool
}{
    "trial is expired": {
        license: License{Type: Trial, ExpiryDate: time.Now().Add(-2 * time.Hour)},
        want: expired,
    },
    "trial is not expired": {
        license: License{Type: Trial, ExpiryDate: time.Now().Add(2 * time.Minute)},
        want: !expired,
    },
    "license is not on trial": {
        license: License{Type: Basic, ExpiryDate: time.Now().Add(2 * time.Minute)},
        want: !expired,
    },
    "state is expired": {
        license: License{Type: Enterprise, Status: Expired},
        want: expired,
    },
    "active enterprise license": {
        license: License{Type: Enterprise, Status: Active},
        want: !expired,
    },
}

for name, test := range tests {
t.Run(name, func(t *testing.T) {
    assert.Equal(t, test.want, IsExpired(test.license))
})
}

{{- define "depInfo" -}}
{{- range $i, $dep := . }}
<table>
<thead>
<tr>
<th>Name</th>
<th>URL</th>
<th>Version</th>
<th>Revision</th>
<th>Licence</th>
<th>Source URL</th>
</tr>
</thead>
</table>

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Third party libraries used by the Elastic Beats project:

var:
  - name: paths
default:
    - /var/log/bro/current/notice.log
os.linux:
  - /var/log/bro/current/notice.log
os.darwin:
  - /usr/local/var/logs/current/notice.log
- name: tags  
  default: [zeek.notice]

ingest_pipeline: ingest/pipeline.yml
input: config/notice.yml

requires.processors:
- name: geoip  
  plugin: ingest-geoip

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package licenses

import "fmt"

var ASL2 = `  // Licensed to Elasticsearch B.V. under one or more contributor
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  // specific language governing permissions and limitations

`
// under the License.
`
var Elastic = `
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// you may not use this file except in compliance with the Elastic License.
`
func Find(name string) (string, error) {
switch name {
case "ASL2":
return ASL2, nil
case "Elastic":
return Elastic, nil
}
return "", fmt.Errorf("unknown license: %s", name)
}
{"ts":1320435875.879278,"note":"SSH::Password_Guessing","msg":"172.16.238.1 appears to be guessing SSH
passwords (seen in 30 connections).","sub":"Sampled servers: 172.16.238.136, 172.16.238.136, 172.16.238.136,
172.16.238.136,
172.16.238.136","src":"172.16.238.1","peer_descr":"bro","actions":["Notice::ACTION_LOG"],"suppress_for":3600
.0,"dropped":false}
{"ts":1551393388.426472,"note":"Scan::Port_Scan","msg":"8.42.77.171 scanned at least 15 unique ports of host
207.154.238.205 in
0m0s","sub":"remote","src":"8.42.77.171","dst":"207.154.238.205","peer_descr":"bro","actions":["Notice::ACTION
_LOG"],"suppress_for":3600.0,"dropped":false}
<5>1 2021-03-09T10:17:54Z VAULT
{"format":"elastic","version":"1.0","syslog":{"audit_record":{"Rfc5424":"yes","Timestamp":"Mar 09
02:17:54","IsoTimestamp":"2021-03-09T10:17:54Z","Hostname":"VAULT","Vendor":"CyberArk","Product":"Vault","Version":"11.7.0000","MessageID":"355","Desc":"Monitor License Expiration Date
start","Severity":"Info","Issuer":"Batch","Action":"Monitor License Expiration Date
start","SourceUser":"","TargetUser":"","Safe":"","File":"","Station":"0.0.0.0","Location":"","Category":"","RequestI
d":"","Reason":"","ExtraDetails":"","Message":"Monitor License Expiration Date start","GatewayStation":""}}}
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package licenser

import (  
    "encoding/json"  
    "fmt"  
    "time"
)

// License represents the license of this beat, the license is fetched and returned from
// the elasticsearch cluster.

// The x-pack endpoint returns the following JSON response.

// {
//   "license": {
//     "status": "active",
//     "uid": "cbff45e7-c553-41f7-ae4f-9205eabd80xx",  
//     "type": "trial",  
//     "issue_date": "2018-10-20T22:05:12.332Z",  
//     "issue_date_in_millis": 1540073112332,  
//     "expiry_date": "2018-11-19T22:05:12.332Z",  
//     "expiry_date_in_millis": 1542665112332,  
//     "max_nodes": 1000,  
//     "issued_to": "test",  
//     "issuer": "elasticsearch",  
//     "start_date_in_millis": -1  
//   }
// }

// Definition:
// type is the installed license.
// mode is the license in operation. (effective license)
// status is the type installed is active or not.

type License struct {
    UUID      string      `json:"uid"`
    Type      LicenseType `json:"type"`
    Status    State       `json:"status"`
    ExpiryDate time.Time   `json:"expiry_date_in_millis, omitempty"
}

func (l *License) UnmarshalJSON(b []byte) error {
    document := struct {
        UUID      string      `json:"uid"`
        Type      LicenseType `json:"type"`
        Status    State       `json:"status"`
        ExpiryDate int64       `json:"expiry_date_in_millis, omitempty"
    }{
    }

    if err := json.Unmarshal(b, &document); err != nil {
        return err
    }

    var expiryTime time.Time
    if document.ExpiryDate != 0 {
        expiryTime = time.Unix(0, int64(time.Millisecond)*int64(document.ExpiryDate)).UTC()
    } else if document.Type == Trial {
        return fmt.Errorf("missing expiry_date_in_millis on trial license")
    }

    *l = License{
        UUID:       document.UUID,
        Type:       document.Type,
        Status:     document.Status,
        ExpiryDate: expiryTime,
    }
    return nil
}

// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
    if l.Type >= license {
        return true
    }
    return false
}
// IsExpired checks if the installed Elasticsearch license is still valid.
func IsExpired(l License) bool {
    return l.Status == Expired || (l.Type == Trial && time.Now().After(l.ExpiryDate))
}

// EqualTo returns true if the two license are the same, we compare license to reduce the number
// message send to the watchers.
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
    l.Type == other.Type &&
    l.Status == other.Status
}

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1.1660 readable-stream 3.6.0

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1.1661 cffi 1.6.0

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1.1662 lazy-property 1.0.0

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1.1663 hiredis 0.14.1

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1.1664 logstash-filter-dissect 1.2.0

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1.1665 uid-safe 2.1.5

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1.1666 content-type 1.0.4

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1.1668 wget 1.20.1-1.1

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+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
 package build.tools.cldrconverter;
 import java.util.Calendar;
+import java.util.Date;
 import java.util.GregorianCalendar;
 import java.util.TimeZone;
 @@ -150,8 +151,14 @@
 }
 private static int getYear() {
 - return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
 - Locale.US).get(Calendar.YEAR);
 + Date date = new Date();

 import java.util.Calendar;
 +import java.util.Date;
 import java.util.GregorianCalendar;
 import java.util.Locale;
 import java.util.TimeZone;
 @@ -150,8 +151,14 @@
 }
 private static int getYear() {
 - return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
 - Locale.US).get(Calendar.YEAR);
 + Date date = new Date();

 import java.util.Calendar;
 +import java.util.Date;
 import java.util.GregorianCalendar;
 import java.util.Locale;
 import java.util.TimeZone;
 @@ -150,8 +151,14 @@
 }
 private static int getYear() {
 - return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
 - Locale.US).get(Calendar.YEAR);
 + Date date = new Date();
if (System.getenv("SOURCE_DATE_EPOCH") != null) {
    date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
}

GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
calendar.setTime(date);
return calendar.get(Calendar.YEAR);

// no instantiation

import java.time.ZonedDateTime;
import java.util.List;
import java.util.Map;
import java.util.TreeMap;

private static String getOpenJDKCopyright() {
    int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
    Date date = new Date();
    if (System.getenv("SOURCE_DATE_EPOCH") != null) {
        date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
    }
    GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
calendar.setTime(date);
    int year = calendar.get(Calendar.YEAR);
    return String.format(Locale.US, COPYRIGHT, year);
}

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Version: 4.1

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1.1694 mergo 0.3.8

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.1695 jackson-databind 2.9.9.2

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# Jackson JSON processor

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### 1.1696 util-linux 2.23.2-65.el7

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 */
```

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func initBsdClause2() {
  Licenses["freebsd"] = License{
Name: "Simplified BSD License",
PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
"2 clause bsd", "simplified bsd license"},
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package cmd

func initBsdClause3() {
    Licenses["bsd"] = License{
        Name: "NewBSD",
    }
}
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    Licenses["gpl2"] = License{
        Name:            "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or modify it under the terms of the GNU 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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package cmd

import (  
  "strings"  
  "time"  
  "github.com/spf13/viper"
)

var Licenses = make(map[string]License)

func init() {
  // Allows a user to not use a license.
  Licenses["none"] = License{"None", []string{"false", "false"}, 
    "License header for source files"
}

initApache2()  
initMit()  
initBsdClause3()  
initBsdClause2()
initGpl2()
initGpl3()
initLgpl()
initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
// If explicitly flagged, use that.
if userLicense != "" {
  return findLicense(userLicense)
}

// If user wants to have custom license, use that.
if viper.IsSet("license.header") || viper.IsSet("license.text") {
  return License{Header: viper.GetString("license.header"),
    Text: viper.GetString("license.text")}
}

// If user wants to have built-in license, use that.
if viper.IsSet("license") {
  return findLicense(viper.GetString("license"))
}

// If user didn't set any license, use Apache 2.0 by default.
return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")

    year := viper.GetString("year") // For tests.
    if year == "" {
      year = time.Now().Format("2006")
    }

    return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {

func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

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package cmd

func initGpl3() {
    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: ""
    }

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```
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func initLgpl() {
    Licenses["lgpl"] = License{
        Name: "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
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package cmd

func initAgpl() {
    Licenses["agpl"] = License{
        Name: "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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package cmd

func initApache2() {
  Licenses["apache"] = License{
    Name: "Apache 2.0",
    PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
    Header: `Licensed under the Apache License, Version 2.0 (the "License");
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`
package cmd

func initMit() {
Licenses["mit"] = License{
    Name:       "MIT License",
    PossibleMatches: []string{"mit"},
    Header: `Per
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of this software and associated documentation files (the "Software"), to deal
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org.ow2.asm:asm-commons
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org.eclipse.jetty.toolchain:jetty-schemas

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#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.1712 x-sys 0.0.0

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1.1713 webrick 1.4.2

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1.1715 t-digest 3.2
1.1716 libmnl 1.0.3 7.el7

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1.1717 objx v0.1.1

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1.1718 jackson 2.8.4
1.1718.1 Available under license :

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1.1719 libtiff 4.1.0+git191117-2~deb10u2

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1.1720 log4j-api 2.11.2

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1.1728 cheetah 2.4.4

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package api

import (  
    "io/ioutil"
    "strings"
    "time"
)

type License struct {  
    // The unique identifier of the license
    LicenseID string `json:"license_id"`
    // The customer ID associated with the license
    CustomerID string `json:"customer_id"`
    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"`
    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"`
    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"`
    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"`
    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"`
    // The product the license is valid for
    Product string `json:"product"`
    // License Specific Flags
    Flags map[string]interface{} `json:"flags"`
    // Modules is a list of the licensed enterprise modules
}
Modules []string `json:"modules"

// List of features enabled by the license
Features []string `json:"features"

}

type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()

    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }
    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    return nil, err
defer resp.Body.Close()

if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, nil

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }

    return &reply, nil
}

1.1733 path-parse 1.0.6
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1.1734 cadvisor v0.35.0

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Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Scott Van Woudenberg <scottvw@google.com>
Takashi Matsuo <tmatsuo@google.com>
runc

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Damian Gryski <dgryski@gmail.com>
Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
Marc-Antoine Ruel <maruel@chromium.org>
Nigel Tao <nigeltao@golang.org>
Rob Pike <r@golang.org>
Russ Cox <rsc@golang.org>
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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Burcu Dogan <jbd@google.com>
Dave Day <djd@golang.org>
David Sansome <me@davidsansome.com>
David Symonds <dsymonds@golang.org>
Filippo Valsorda <hi@filippo.io>
Glenn Lewis <gmlewis@google.com>
Ingo Oeser <nightlyone@googlemail.com>
Johan Euphrosine <proppy@gmail.com>
Jonathan Amsterdam <jba@gmail.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Michael McGreevy <mcgreevy@golang.org>
Omar Jarjur <ojarjur@gmail.com>
Pawel Knap <pawelknap88@gmail.com>
Pter Szilgyi <peterke@gmail.com>
Sarah Adams <shadams@google.com>
Toby Burress <kurin@gmail.com>
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Authors: Loren Merritt <loremm@u.washington.edu>
        Anton Mitrofanov <BugMaster@narod.ru>
        Jason Garrett-Glaser <darkshikari@gmail.com>
        Henrik Gramner <hengar-6@student.ltu.se>

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# here. Please keep the list sorted by first names.

Ajay Joshi <aj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith-ray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@google.com>
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Preston Jackson <preston.a.jackson@gmail.com>
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Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
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Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>

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Alastair Patrick
Alok Priyadarshi
Kenneth Russell
Brian Salomon
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Jeff Timanus
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Mike Hommey
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Makoto Kato
Vladimir Vukicevic

Turbulenz
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Ulrik Persson (ddefrostt)
Mark Banner (standard8mbp)
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Contributors (in approximate order of appearance)

[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Elliston
bje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.);
early prototype routines.

Ross Johnson
rpj at callisto dot canberra dot edu dot au
early prototype routines;
going project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.

Robert Colquhoun
rjc at trump dot net dot au
Early bug fixes.

John E. Bossom
John dot Bossom at cognos dot com
Contributed substantial original working implementation;
bug fixes;
going guidance and standards interpretation.

Anders Norlander
anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported Win32 routines.

Tor Lillqvist
tml at iki dot fi
General enhancements;
early bug fixes to condition variables.

Scott Lightner
scott at curriculum dot com
Bug fix.

Kevin Ruland
Kevin dot Ruland at anheuser-busch dot com
Various bug fixes.

Mike Russo
miker at eai dot com
Bug fix.

Mark E. Armstrong
avail at pacbell dot net
Bug fixes.

Lorin Hochstein
lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.
Peter Slacik  
Peter dot Slacik at tatramed dot sk  
Bug fixes.

Mumit Khan  
Khan at xraylith dot wisc dot edu  
Fixes to work with Mingw32.

Milan Gardian  
mg at tatramed dot sk  
Bug fixes and reports/analyses of obscure problems.

Aurelio Medina  
Aureliom at crt dot com  
First implementation of read-write locks.

Graham Dumpleton  
Graham dot Dumpleton at ra dot pad dot otc dot telstra dot com dot au  
Bug fix in condition variables.

Tristan Savatier  
tristan at mpegtv dot com  
WinCE port.

Erik Hensema  
erik at hensema dot xs4all dot nl  
Bug fixes.

Rich Peters  
peters at micro-magic dot com  
Todd Owen  
towen at lucidcalm dot dropbear dot dot au  
Bug fixes to dll loading.

Jason Ny  
nj at nbnet dot nb dot ca  
Implementation of async cancelation.

Fred Forester  
forest at eticom dot net  
Kevin D. Clark  
Clark at cabletron dot com

David Baggett  
dm at itasoftware dot com  
Bug fixes.

Paul Redondo  
paul at matchvision dot com  
Scott McCaskill  
scott at 3dfx dot com  
Bug fixes.

Jef Gearhart  
gearhart at tpssys dot com  
Bug fix.

Arthur Kantor  
akantor at bexusa dot com  
Mutex enhancements.

Steven Reddies  
smr at essemer dot com dot au  
Bug fix.

Alexander Terekhov  
TEREKHOV at de dot ibm dot com  
Re-implemented and improved read-write locks;  
(with Louis Thomas) re-implemented and improved  
condition variables;  
enhancements to semaphores;  
enhancements to mutexes;  
new mutex implementation in 'futex' style;  
suggested a robust implementation of pthread_once  
similar to that implemented by V.Kliathcko;  
system clock change handling re CV timeouts;  
bug fixes.

Thomas Pfaff  
ppfaff at gmx dot net  
Changes to make C version usable with C++ applications;  
re-implemented mutex routines to avoid Win32 mutexes  
and TryEnterCriticalSection;  
procedure to fix Mingw32 thread-safety issues.
Franco Bez
franco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomas
lthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korndgk
research dot att dot com
Ported to UWIN.
Phil Frishie, Jr.
hawksoft dot com
Bug fix.
Ralf Brese
Ralf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at jun dot com
prionx at jun dot com
Bug fixes.
Max Woodbury
mtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fanner
rfanner at stonethree dot com
Bug fix.
Michael Johnson
michaelj at maine dot rr dot com
Bug fix.
Nicolas Barry
boozai at yahoo dot com
Bug fixes.
Piet van Bruggen
pietvb at newbridges dot nl
Bug fix.
Makoto Kato
raven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukas
peh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which
makes preemptive async cancelation possible.
Will Bryant
will dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyal
anuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Frege
frege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Kliatchkov
kliatchko dot com
reimplemented pthread_once with the same form
as described by A. Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
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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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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
OW2

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

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

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

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas
 Assorted

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1.1744 x-net v0.0.0-20201002202402-0a1ea396d57c

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1.1745 prometheus-common v0.15.0

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1.1746 armon-circbuf v0.0.0-20150827004946-bbbad097214e

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1.1747 logstash-codec-line 3.0.8

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1.1750 logstash-filter-geoip 5.0.3

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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

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Kibaale Children's Centre*kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have
to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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.

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The e-mail address for sending the money to is:
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For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
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Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
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Arnaud LE HORS  BULL Research FRANCE -- Koala Project
(XPM - X PixMap format version 2 & 3)
Internet: lehors@sophia.inria.fr
Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
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1.1757 jackson-jaxrs 2.10.5

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Upstream Authors:

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IcedTea Sound (see AUTHORS for a current list):
   Andrew John Hughes <gnu_andrew@member.fsf.org, gnu.andrew@redhat.com>
   Ioana Ivan <iivan@redhat.com>
   Matthias Klose <doko@ubuntu.com>
   Denis Lila <dlila@redhat.com>
   Omair Majid <omajid@redhat.com>
   Xerxes Rnby <xerxes@zafena.se>
   Marc Schoenefeld <mschoene@redhat.com>
   Joshua Sumali <jsumali@redhat.com>
   Jon VanAlten <jon.vanalten@redhat.com>

Java Access Bridge:
   Bill Haneman <bill.haneman@sun.com>
   Louise Miller
   Gerg rdi <cactus@cactus.rulez.org>
   Laszlo (Laca) Peter <laszlz.peter@sun.com>
   Jeff Cai <jeff.cai@sun.com>
   George Kraft IV <gk4@us.ibm.com>
   Padraig O'Briain <padraig.obriain@sun.com>
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Apache Jakarta Regexp 1.4
Apache Santuario XML Security for Java 1.5.4
Apache Xalan-Java 2.7.1
Apache Xerces Java 2.10.0
Apache XML Resolver 1.1
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Robert Lougher <rob@jamvm.org.uk>.

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1.1761 ojdbc 11.2.0.4

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1.1763 libsemanage 2.6-2

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1.1764 x-sys v0.0.0-20201112073958-5cba982894dd

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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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  jar/io/netty/handler/codec/CharSequenceValueConverter.java
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/protobuf/ProtocolDetectionResult.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
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 */

/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 *<p>
 * The encoding and decoding algorithm in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>
 */

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 */

/**
 * A decoder that splits the received byte buffers dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 * <h3>
 * 2 bytes length field at offset 0, do not strip header</h3>
The value of the length field in this example is \(12\) (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.  

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lengthFieldOffset</td>
<td>0</td>
</tr>
<tr>
<td>lengthFieldLength</td>
<td>2</td>
</tr>
<tr>
<td>lengthAdjustment</td>
<td>0</td>
</tr>
<tr>
<td>initialBytesToStrip</td>
<td>0</td>
</tr>
</tbody>
</table>

**BEFORE DECODE (14 bytes) | AFTER DECODE (14 bytes)**

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>-&gt;</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

**BEFORE DECODE (14 bytes) | AFTER DECODE (12 bytes)**

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>-&gt;</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

**BEFORE DECODE (14 bytes) | AFTER DECODE (12 bytes)**

Because we can get the length of the content by calling `ByteBuf.readableBytes()`, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified `2`, that is same with the length of the length field, to strip the first two bytes.  

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>lengthFieldOffset</td>
<td>0</td>
</tr>
<tr>
<td>lengthFieldLength</td>
<td>2</td>
</tr>
<tr>
<td>lengthAdjustment</td>
<td>0</td>
</tr>
<tr>
<td>initialBytesToStrip</td>
<td>2</td>
</tr>
</tbody>
</table>

**BEFORE DECODE (14 bytes) | AFTER DECODE (12 bytes)**

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>-&gt;</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

**BEFORE DECODE (14 bytes) | AFTER DECODE (12 bytes)**

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero `lengthAdjustment`. Because the length value in this example message is always greater than the body length by `2`, we specify `-2` for compensation.
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = -2 (= the length of the Length field)
* initialBytesToStrip = 0

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

* The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

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

* BEFORE DECODE (17 bytes)   AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
| 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
+----------+----------+----------------+      +----------+----------+----------------+

* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.

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

* BEFORE DECODE (17 bytes)   AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
|  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
| 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "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

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

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

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

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

0xCA 0x000C 0xFE "HELLO, WORLD" 0xFE "HELLO, WORLD"

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.

The length field already includes the whole header length.

lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

0xCA 0x0010 0xFE "HELLO, WORLD" 0xFE "HELLO, WORLD"
* @see LengthFieldPrepender
*/

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1.1769 goprotobuf v1.5.2

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1.1796 rcrowley-go-metrics 0.0.0-20181016184325

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### 1.1797 base-passwd 3.5.46

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1.1799 logstash-input-azure_event_hubs 1.1.4

1.1799.1 Available under license:

The following is a list of people who have contributed ideas, code, bug reports, or in general have helped logstash along its way.

Contributors:

# jakelandis
* brahmnes

Note: If you've sent us patches, bug reports, or otherwise contributed to Logstash, and you aren't on the list above and want to be, please let us know and we'll make sure you're here. Contributions from folks like you are what make open source awesome.

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1.1800 afero v1.0.5

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1.1801 decorator 3.4.0

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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py

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try:
    from setuptools import setup
except ImportError:
    from distutils.core import setup
import os.path

def getversion(fname):
"Get the __version__ reading the file: works both in Python 2.X and 3.X, whereas direct importing would break in Python 3.X with a syntax error"

for line in open(fname):
    if line.startswith('__version__'):
        return eval(line[13:])
raise NameError('Missing __version__ in decorator.py')

VERSION = getversion(
    os.path.join(os.path.dirname(__file__), 'src/decorator.py'))

if __name__ == '__main__':
    setup(name='decorator',
    version=VERSION,
    description='Better living through Python with decorators',
    long_description=open('README.txt').read(),
    author='Michele Simionato',
    author_email='michele.simionato@gmail.com',
    url='http://pypi.python.org/pypi/decorator',
    license='BSD License',
    package_dir = {'': 'src'},
    py_modules = ['decorator'],
    keywords='decorators generic utility',
    platforms=['All'],
    classifiers=['Development Status :: 5 - Production/Stable',
                'Intended Audience :: Developers',
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                'Natural Language :: English',
                'Operating System :: OS Independent',
                'Programming Language :: Python',
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    use_2to3=True,
    zip_safe=False)

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/setup.py
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Decorator module

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

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: ``easy_install decorator``
License: BSD license

Installation
-------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
-------

For Python 2.5, 2.6, 2.7 run

$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.
Documentation
--------------

There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
------------

The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt

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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
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Installation
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.. _tarball: http://pypi.python.org/pypi/decorator
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--------

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for Python 3.X run

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Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/ Stable
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# Jackson JSON processor

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### 1.1806 opensaml-security-api 3.3.0

### 1.1807 liburcu 0.11.0
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Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the
userspace RCU library in a patch submitted on May 8, 2009 from Paul E.
McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and
barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfebf0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his
patch in an email dated May 13, 2009 :

http://lkml.org/lkml/2009/5/13/16

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This cmpxchg code was obtained from the atomic_ops project:
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I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

1.1808 safe-buffer 5.2.1
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1.1812 jackson-databind 2.9.7

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

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### 1.1813 glob 7.1.6

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package cloud
import (
"bytes"
"io/ioutil"
"os"
"path/filepath"
"strings"
"testing"
)
var sentinels = []string{
"Copyright",
"Google",
`Licensed under the Apache License, Version 2.0 (the "License");`,
}
func TestLicense(t *testing.T) {
t.Parallel()
err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
if err != nil {
return err
}
if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
return nil
}
if strings.HasSuffix(path, ".pb.go") {
// .pb.go files are generated from the proto files.
// .proto files must have license headers.
return nil
}
if path == "bigtable/cmd/cbt/cbtdoc.go" {

Open Source Used In MSX Platform Infrastructure 4.0.0 17692


// Automatically generated.
return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" { // BSD license, which is compatible, is embedded in the file.
return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
if !bytes.Contains(src, []byte(sentinel)) {
t.Errorf("%v: license header not present. want %q", path, sentinel)
return nil
}
}
return nil
}
if err != nil {
t.Fatal(err)
}

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#
# Names should be added to this file as:
#  Name <email address>
#
# Keep the list alphabetically sorted.

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Andreas Litt <andreas.litt@gmail.com>
Andrew Gerrand <adg@golang.org>
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1.1820 mawk 1.3.3 17+b3

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Version 2.1, February 1999

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1.1839 jackson-dataformat-yaml 2.9.8

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
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Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
Scott Van Woudenberg <scottvw@google.com>
Takashi Matsuo <tmatsuo@google.com>

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Damian Gryski <dgryski@gmail.com>
Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
Marc-Antoine Ruel <maruel@chromium.org>
Nigel Tao <nigeltao@golang.org>
Rob Pike <r@golang.org>
Rodolfo Carvalho <rhcarvalho@gmail.com>
Russ Cox <rsc@golang.org>
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Dustin Sallings <dustin@spy.net>
Jason Mooberry <jasonmoo@me.com>
Sergey Shepelev <temotor@gmail.com>
Alex Edwards <ajmedwards@gmail.com>

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Protocol Buffers for Go with Gadgets

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

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---
# `/sys/license`

~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in
Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl
--header "X-Vault-Token: ..."
http://127.0.0.1:8200/v1/sys/license
```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th align="left">Method</th>
<th align="left">Path</th>
</tr>
</thead>
<tbody>
<tr>
<td align="left"><code>PUT</code></td>
<td align="left"><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` `(string: <required>)` The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` `(string: <required>)` - DR operation token used to authorize this request.

### Sample Payload

```json
{
  "text": "01ABCDEFG..."
}
```
### Sample Request

```bash
$ curl \
   --header "X-Vault-Token: ..." \
   --request PUT \
   --data @payload.json \
   http://127.0.0.1:8200/v1/sys/license
```

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mgo - MongoDB driver for Go

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</div>
</div>
<div class="field">
<button type="submit" class="button is-primary" data-test-save-button>Save</button>
</div>
</div>

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</div>
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<div class="field box is-fullwidth is-shadowless is-paddingless is-marginless">
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package github

import (  "context"  "fmt"
)

// LicensesService handles communication with the license related  // methods of the GitHub API.
//  // GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"
    Path *string `json:"path,omitempty"
    SHA   *string `json:"sha,omitempty"
    Size  *int   `json:"size,omitempty"
    URL   *string `json:"url,omitempty"
    HTMLURL   *string `json:"html_url,omitempty"
    GitURL   *string `json:"git_url,omitempty"
    DownloadURL *string `json:"download_url,omitempty"
    Type    *string `json:"type,omitempty"
    Content *string `json:"content,omitempty"
    Encoding *string `json:"encoding,omitempty"
    License *License `json:"license,omitempty"
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key   *string `json:"key,omitempty"
    Name  *string `json:"name,omitempty"
    URL   *string `json:"url,omitempty"
    SPDXID   *string `json:"spdx_id,omitempty"
    HTMLURL   *string `json:"html_url,omitempty"
    Featured  *bool  `json:"featured,omitempty"
    Description *string `json:"description,omitempty"
    Implementation *string `json:"implementation,omitempty"
    Permissions []string `json:"permissions,omitempty"
    Conditions []string `json:"conditions,omitempty"
    Limitations []string `json:"limitations,omitempty"
    Body      *string `json:"body,omitempty"
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([][]*License, *Response, error) {

req, err := s.client.NewRequest("GET", "licenses", nil)
if err != nil {
    return nil, nil, err
}

var licenses []License
resp, err := s.client.Do(ctx, req, &licenses)
if err != nil {
    return nil, resp, err
}

return licenses, resp, nil

// Get extended metadata for one license.
// // GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool { return false }

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1.1848 farsightsec-golang-framestream v0.3.0

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1.1849 joda-time 2.10.1

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1.1851 d-bus 1.12.20-0+deb10u1

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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1.1858 murmur-hash 0.1.6

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C port of Murmur3 hash

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

This is a port of the [Murmur3](http://code.google.com/p/smhasher/wiki/MurmurHash3) hash function. Murmur3 is
a non-cryptographic hash, designed to be fast and excellent-quality for making things like hash tables or bloom
filters. This is a port of the original C++ code, designed for Visual Studio, into standard C that gcc can compile
efficiently.

How to use it

-----------

Just compile and link your program with `murmur3.c`, and be sure to include `murmur3.h` to get the function
prototypes. There are three hash functions:

```c
void MurmurHash3_x86_32 (const void *key, int len, uint32_t seed, void *out);
void MurmurHash3_x86_128(const void *key, int len, uint32_t seed, void *out);
void MurmurHash3_x64_128(const void *key, int len, uint32_t seed, void *out);
```

All three of these functions have the same interface: you give them `key`, a pointer to the data you wish to hash;
`len`, the length in bytes; `seed`, an arbitrary seed number which you can use to tweak the hash, and `out`, a pointer
to a buffer big enough to hold the hash's output value.

The hash functions differ in both their internal mechanisms and in their outputs. They are specialized for different
use cases:

**MurmurHash3_x86_32** has the lowest throughput, but also the lowest latency. If you're making a hash table
that usually has small keys, this is probably the one you want to use on 32-bit machines. It has a 32-bit output.

**MurmurHash3_x86_128** is also designed for 32-bit systems, but produces a 128-bit output, and has about 30% higher throughput than the previous hash. Be warned, though, that its latency for a single 16-byte key is about 86% longer!

**MurmurHash3_x64_128** is the best of the lot, if you're using a 64-bit machine. Its throughput is 250% higher than MurmurHash3_x86_32, but it has roughly the same latency. It has a 128-bit output.

The hash functions are designed to work efficiently on x86 processors; in particular, they make some assumptions about the endianness of the processor, and about the speed of unaligned reads. If you have problems running this code on non-x86 architectures, it should be possible to modify it to work correctly and efficiently -- I just don't have access to those machines for testing. The code in `murmur3.c` is pretty straightforward, and shouldn't be too hard to alter.

There is an example program, `example.c`, which you can look at and play with. You can build it with the makefile.

License and contributing
------------------------

All this code is in the public domain. Murmur3 was created by Austin Appleby, and the C port and general tidying up was done by Peter Scott. If you'd like to contribute something, I would love to add your name to this list.

1.1859 rocksdb 5.7.3
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1.1872 logstash-output-rabbitmq 5.1.1

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1.1873 lodash-flatten 4.4.0

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1.1874 keyutils 1.5.9-9

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- Valgrind client API header, located at src/third_party/valgrind/valgrind.h
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Tests included here are based on build output generated by the six-speed benchmark suite.

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.
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1.1886 npm-init 0.0.0

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Alex Reece <awreece@gmail.com>
David Symonds <dsymonds@golang.org>
Ryan Barrett <ryanb@google.com>
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// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
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Andy Hochhaus <hochhaus@users.noreply.github.com>
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GinFungYJF <645116215@qq.com>
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package main
import (
    "strings"
)

// LicenseFilePrefix is a list of filename prefixes that indicate it
// might contain a software license
var LicenseFilePrefix = []string{
    "licence", // UK spelling
    "license", // US spelling
    "copying",
    "unlicense",
    "copyright",
    "copyleft",
    "authors",
    "contributors",
}

// LegalFileSubstring are substrings that indicate the file is likely
// to contain some type of legal declaration. "legal" is often used
// that it might moved to LicenseFilePrefix
var LegalFileSubstring = []string{
    "legal",
    "notice",
    "disclaimer",
    "patent",
    "third-party",
    "thirdparty",
}

// IsLicenseFile returns true if the filename might be contain a
// software license
func IsLicenseFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    return false
}

// IsLegalFile returns true if the file is likely to contain some type
// of legal declaration or licensing information
func IsLegalFile(filename string) bool {
    lowerfile := strings.ToLower(filename)
    for _, prefix := range LicenseFilePrefix {
        if strings.HasPrefix(lowerfile, prefix) {
            return true
        }
    }
    return false
}
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==============================================================================================================================
package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html

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FUNCTIONS
func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header
and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list
of clauses

TYPES

type Accept struct {
    Type, SubType string
    Q float32
    Params    map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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BSON library for Go

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mgo - MongoDB driver for Go

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Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
jboverfelt
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#
Andreas Jaekle <andreas@jaekle.net>
Dmitri Shuralyov <shurcooL@gmail.com>
Ethan Mosbaugh <emosbaugh@gmail.com>
Soheil Hassas Yeganeh <soheil.h.y@gmail.com>
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Tamir Duberstein <tamir@cockroachlabs.com>
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package simulator

import (  
    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/mo"  
    "github.com/vmware/govmomi/vim25/soap"  
    "github.com/vmware/govmomi/vim25/types"
// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature",
         Value: types.KeyValue{
             Key: "serialuri:2",
             Value: "Remote virtual Serial Port Concentrator",
         }},
        {Key: "feature",
         Value: types.KeyValue{
             Key: "dvs",
             Value: "vSphere Distributed Switch",
         }},
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{ }).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{
    }

    for _, license := range m.Licenses {
if license.LicenseKey == req.LicenseKey {
    body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
    return body
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
    LicenseKey: req.LicenseKey,
    Labels:     req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
    Res: &types.RemoveLicenseResponse{ },
}

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
            return body
        }
    }

    return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
    Res: &types.QueryAssignedLicensesResponse{ },
}

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type:  "HostSystem",
                Value: req.EntityId,
            }
        }
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type:  "HostSystem",
                Value: req.EntityId,
            }
        }
    }
if Map.Get(id) == nil {
    return body
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{

    EntityId: req.EntityId,
    AssignedLicense: EvalLicense,
}

return body

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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Feb, 2010

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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
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* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources.jar/com/martiansoftware/nailgun/bultins/DefaultNail.java
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/*
jar/com/martiansoftware/nailgun/NailStats.java
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* /opt/ws_local/PERMITS_SQL/1018365892_1591902834.44/0/nailgun-server-0-9-1-sources-jar/com/martiansoftware/nailgun/ThreadLocalInputStream.java
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 *
 * @param url the URL of the resource (directory or jar) to add to the
 * System classpath
 * @throws Exception if anything goes wrong. The most likely culprit, should
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 * System ClassLoader. This would result in a ClassCastException that you
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 */

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1.1904 xorg-randr 1.20.8

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1.1906 zlib 1.2.5

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.5, April 19th, 2010

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1.1915 sysv-init 2.93-8
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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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

------

Open Source Used In MSX Platform Infrastructure 4.0.0 21119
Oracle OpenJDK

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

* java.sun.security.ssl

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

------
OW2

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

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

------
Apache

The following artifacts are ASL2 licensed.

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

------
MortBay

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

-----
Assorted

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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
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Matthew Dolan <dolan@lightstep.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
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package api

import (  "bytes"  "io/ioutil"  "os"  "path/filepath"  "regexp"  "testing" )
// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`// Copyright \d\d\d\d (Google LLC|The Go Authors)\(\\)\*( All rights
reserved.\)*
// Use of this source code is governed by a BSD-style
// license that can be found in the LICENSE file.
`
)

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
  "tools.go": true, // This file requires another comment above the license.
  "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
  "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if skip[path] {
      return nil
    }
    if err != nil {
      return err
    }
    if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
      return nil
    }
    src, err := ioutil.ReadFile(path)
    if err != nil {
      return nil
    }
    // Verify that the license is matched.
    if !sentinel.Match(src) {
      t.Errorf("%v: license header not present", path)
      return nil
    }
    // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
    if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
      t.Errorf("%v: license header not at the top", path)
    }
    return nil
  })

```go
if err != nil {
    t.Fatal(err)
}
```

1.1923 logstash-input-elasticsearch 4.3.3

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1.1925 x-crypto v0.0.0-20200604202706
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1.1926 e2fsprogs 1.43.4 2
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*/
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*
*/
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

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

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

tmp = $(BSDLIB_LIB)
$(BSDLIB_LIB): $(OBJS)
	(cd pic; ld -Bshareable -o $(BSDLIB_LIB) $(LDFLAGS_SHLIB) $(OBJS))
	$(MV) pic/$(BSDLIB_LIB) .
	$(RM) -f ../$(BSDLIB_LIB)
	(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSDLIB_LIB) $(BSDLIB_LIB))

install-shlibs install:: $(BSDLIB_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSDLIB_LIB)"
@$(INSTALL_PROGRAM) $(BSDLIB_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSDLIB_LIB)
@-$(LDCONFIG)

install-shlibs-strip: install-shlibs

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

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

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

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

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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io.netty.buffer/ByteBufUtil.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PooledDirectByteBuf.java
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- `/opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/FixedCompositeByteBuf.java`
- `/opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java`
- `/opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/PoolChunkMetric.java`
- `/opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/UnpooledSlicedByteBuf.java`
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PoolSubpageMetric.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PoolChunkListMetric.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/UnsafeByteBufUtil.java

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jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
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1.1929 on-headers 1.0.2
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1.1931 google-go-cmp v0.4.0

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1.1933 zlib 1.2.8
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version 1.2.11, January 15th, 2017

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1.1938 opensaml-storage-impl 3.3.0

1.1939 duplexer3 0.1.4
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1.1941 icu 63

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC
## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS = 

## Compiler switch to embed a runtime search path

LD_RPATH =
LD_RPATH_PRE = -Wl,-rpath,

## Compiler switch to embed a library name

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

## Shared library options

LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

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

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

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
  [ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
  [ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {+F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS=-Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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iconv (Charset Conversion Library) v2.0

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DRuntime: Runtime Library for the D Programming Language

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========

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1.1950 perl 5.28.1-6+deb10u1

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Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

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  dist/ExtUtils-Manifest/*
  dist/I18N-Collate/*
  dist/Safe/*
  ext/Fcntl/*
  ext/FileCache/*
  ext/GDBM_File/*
  ext/IPC-Open2/*
  ext/IPC-Open3/*
  ext/NDBM_File/*
  ext/ODBM_File/*
  ext/Opcode/*
  ext/PerlIO-encoding/*
  ext/PerlIO-scalar/*
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* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/utils/ConcurrentBag.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/utils/JavassistProxyFactory.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/utils/Java8ConcurrentBag.java
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* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-jar/com/zaxxer/hikari/utils/ConcurrentBag.java
jar/com/zaxxer/hikari/metrics/MetricsTracker.java
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jar/com/zaxxer/hikari/pool/PoolInitializationException.java
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jar/com/zaxxer/hikari/pool/PoolBagEntry.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
jar/com/zaxxer/hikari/util/IConcurrentBagEntry.java
* /opt/cola/permits/1150990852_1617742469.03/0/hikaricp-2-3-13-sources-3-
jar/com/zaxxer/hikari/metrics/CodahaleHealthChecker.java
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Javassist, a Java-bytecode translator toolkit.

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Contributors:
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//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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# spdxF-license-ids


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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm):

```javascript
...  npm install spdxF-license-ids
...```

### [Node.js](https://nodejs.org/) API

```
### require('spdxF-license-ids')
```

Type: `Array<string>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdxF-license-ids');
// => ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', ...

ids.includes('BSD-3-Clause'); // => true
ids.includes('CC-BY-1.0'); // => true

ids.includes('GPL-3.0'); // => false
```  

```
### require('spdxF-license-ids/deprecated')
```

Type: `Array<string>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdxF-license-ids/deprecated');
```
deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false
deprecatedIds.includes('GPL-3.0'); //=> true
```

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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
```
The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
```
```javascript
SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual( valid('(GPL-3.0-only OR BSD-2-Clause)'), validSPDXExpression );
```

... except if they contain `LicenseRef`:

```javascript
```
a valid SPDX license expression (without "LicenseRef"), ' +
"UNLICENSED", or ' +
"SEE LICENSE IN <filename>"",
];
assert.deepEqual(
 valid('LicenseRef-Made-Up'),
 warningAboutLicenseRef
);

assert.deepEqual(
 valid('(MIT OR LicenseRef-Made-Up)'),
 warningAboutLicenseRef
);
```javascript
assert.deepEqual(
 valid('SEE LICENSE IN LICENSE.txt'),
 { 
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
 }
);
```

assert.deepEqual(
 valid('SEE LICENSE IN license.md'),
 { 
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
 }
);
```javascript
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package
and point users there:
```javascript
assert.deepEqual(
 valid('SEE LICENSE IN LICENSE.txt'),
 { 
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
 }
);
```

assert.deepEqual(
 valid('SEE LICENSE IN license.md'),
 { 
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
 }
);
```javascript
If there aren't any licensing terms, use `UNLICENSED`:
```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
```
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);

1.1979 commons-logging 1.2
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1.1980 go-humanize v0.0.0-201711111073723-
b3d318650d4

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1.1981 python-requests 2.25.1

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1.1982 goprotobuf 1.3.1

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1.1983 jsonpb v1.3.5
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1.1985 iproute 4.11.0-30.el7

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Methods
</dt>
<dd>
{{#each item.HTTP.Methods as |item|}}

{{item}}
{{/each}}
</dd>
</dl>
{{/if}}
{{#if item.HTTP.Path}}
<dl class="permission-path">
<dt>
<Tooltip>{{item.HTTP.PathType}}</Tooltip>
</dt>
<dd>
{{item.HTTP.Path}}
</dd>
</dl>
{{/if}}
{{#each item.HTTP.Header as |item|}}
<dl class="permission-header">
<dt>
<Tooltip>Header</Tooltip>
</dt>
<dd>
{{item.Name}} {{route-match item}}
</dd>
</dl>
{{/each}}
</div>
</BlockSlot>
{{#if onclick}}
<BlockSlot @name="actions" as |Actions|>
<Actions as |Action|>
<Action data-test-edit-action @onclick="{action (optional onclick) item}" @close="{true}">
<BlockSlot @name="label">Edit</BlockSlot>
</Action>
<Action data-test-delete-action @onclick="{action ondelete item}" class="dangerous">
<BlockSlot @name="label">Delete</BlockSlot>
</Action>
</Actions>
</BlockSlot>
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```html
...attributes
class="consul-intention-permission-form"
>
<FormGroup
  @name={{name}}
as |group|>

  {{yield (hash
    submit=(action 'submit' changeset)
    reset=(action 'reset' changeset)
    isDirty=(and changeset.isValid)
    changeset=changeset
  )}}

  <fieldset>
    <div data-property="action">
      <span class="label">
        Should this permission allow the source connect to the destination?
      </span>
      <div role="radiogroup" class={{if changeset.error.Action ' has-error'}}>  
        {{#each intents as |intent|}}
          <label>
            <input
            ...
```
<fieldset>
<header>
<h2>Path</h2>
</header>
<div>
<group.Element
@name="PathType"
@type="select"

as |el|>
<el.Label>
Path type
</el.Label>
<PowerSelect
@options={{pathTypes}}
@selected={{pathType}}
@onChange={{action 'change' 'HTTP.PathType' changeset}}
as [Type]>
{{get pathLabels Type}}
</PowerSelect>
</group.Element>

{{#if shouldShowPathField}}
<group.Element
@name="Path"
@error={{changeset-get changeset 'error.HTTP.Path'}}

as |el|>
<el.Label>
{{get pathLabels pathType}}
</el.Label>
<el.Text
@value={{changeset-get changeset 'HTTP.Path'}}
oninput={{action 'change' 'HTTP.Path' changeset}}
/>
<State @state={{el.state}} @matches="error">
<el.Error>
{{#if (eq (changeset-get changeset 'HTTP.Path') 'Regex')}}
Path Regex should not be blank
</el.Error>
</State>
</group.Element>

{{#if shouldShowPathField}}

{{/if shouldShowPathField}}
</div>
</fieldset>
Methods

All methods are applied by default unless specified.

All Methods

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Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
Marc-Antoine Ruel <maruel@chromium.org>
Nigel Tao <nigeltao@golang.org>
Rob Pike <r@golang.org>
Rodolfo Carvalho <rhcarvalho@gmail.com>
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Jason Mooberry <jasonmoo@me.com>
Sergey Shepelev <temotor@gmail.com>
Alex Edwards <ajmedwards@gmail.com>
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import { Meta, Story, Canvas } from '@storybook/addon-docs/blocks';
import { hbs } from 'ember-cli-htmlbars';

<Meta title="Components/Notice" component="Notice" />

---

Open Source Used In MSX Platform Infrastructure 4.0.0 21751
# Notice

```html
<Canvas>
<Story name="Basic"
argTypes={
  type: {
    defaultValue: 'success',
    control: {
      type: 'select',
      options: [
        'success',
        'warning',
        'info',
        'highlight',
      ]
    }
  }
}

>{(args) => ({
  template: hbs' <Notice
    @type={{type}}
  as |notice|>
    <notice.Header>
      <h3>Header</h3>
    </notice.Header>
    <notice.Body>
      <p>
        Body
      </p>
    </notice.Body>
    <notice.Footer>
      <p>
        Footer
      </p>
    </notice.Footer>
  </Notice>',
  context: args
})
</Story>
</Canvas>
```

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package api

import (  "io/ioutil"  "strings"  "time"
)

type License struct {  // The unique identifier of the license
LicenseID string `json:"license_id"

// The customer ID associated with the license
CustomerID string `json:"customer_id"

// If set, an identifier that should be used to lock the license to a
// particular site, cluster, etc.
InstallationID string `json:"installation_id"

// The time at which the license was issued
IssueTime time.Time `json:"issue_time"

// The time at which the license starts being valid
StartTime time.Time `json:"start_time"

// The time after which the license expires
ExpirationTime time.Time `json:"expiration_time"

// The time at which the license ceases to function and can
// no longer be used in any capacity
TerminationTime time.Time `json:"termination_time"

// The product the license is valid for
Product string `json:"product"

// License Specific Flags
Flags map[string]interface{} `json:"flags"

// Modules is a list of the licensed enterprise modules
Modules []string `json:"modules"

// List of features enabled by the license
Features []string `json:"features"
"

type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}
func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()
    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }
    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}
defer resp.Body.Close()

if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, nil

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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@import './layout';
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The `license` command provides datacenter-level management of the Consul Enterprise license. This was added in Consul 1.1.0.

If ACLs are enabled then a token with operator privileges may be required in order to use this command. Requests are forwarded internally to the leader if required, so this can be run from any Consul node in a cluster. See the [ACL Guide](https://learn.hashicorp.com/consul/security-networking/production-acls) for more information.

```text
Usage: consul license <subcommand> [options] [args]
```

This command has subcommands for managing the Consul Enterprise license. Here are some simple examples, and more detailed examples are available in the subcommands or the documentation.

Install a new license from a file:

```
$ consul license put @consul.license
```

Install a new license from stdin:

```
$ consul license put -
```

Install a new license from a string:

```
$ consul license put "<license blob>"
```

Retrieve the current license:
$ consul license get

Reset the current license:

$ consul license reset

For more examples, ask for subcommand help or view the documentation.

Subcommands:

  get      Get the current license
  put      Puts a new license in the datacenter
  reset    Resets the license in the datacenter

## put

This command sets the Consul Enterprise license.

Usage: `consul license put [options] LICENSE`

#### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c15f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
  Automated Backups
  Automated Upgrades
  Enhanced Read Scalability
  Network Segments
  Redundancy Zone
  Advanced Network Federation
```

## get

This command gets the Consul Enterprise license.
Usage: `consul license get [options]`

### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
  - Automated Backups
  - Automated Upgrades
  - Enhanced Read Scalability
  - Network Segments
  - Redundancy Zone
  - Advanced Network Federation
```

```
## reset

Resets license for the datacenter to the one builtin in Consul binary, if it is still valid.
If the builtin license is invalid, the current one stays active.

Usage: `consul license reset [options]`

### API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

The output looks like this:

```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
```
Package: premium
Licensed Features:

Automated Backups
Automated Upgrades
Enhanced Read Scalability
Network Segments
Redundancy Zone
Advanced Network Federation

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    @extend %p3;
    font-weight: $typo-weight-bold;
}
%notice-success, %notice-info, %notice-highlight, %notice-error, %notice-warning {
    @extend %notice;
}
%notice-success {
    background-color: $green-050;
    border-color: $green-500;
}
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    border-color: $blue-100;
    background-color: $gray-010;
}
%notice-info header * {
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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> jessevdk_go-flags-97448c91aac742cbca3d020b3c769013a420a06f

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>>> julienschmidt/httprouter-975b5c4c7e21c0e3d2764200bf2aa8e34657ae6e

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>>> nsf_termbox-go-91bae1bb5fa9ee504905ecbe7043fa30e92feaa3

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>>> pkg_profile-8a808a6967b79da66deacfe508b26d398a69518f

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>>> x_cryptonael_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2
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>>> x_tools_go_gceexportdata-381149a2d6e5d8f319ccf04bfefc71e03a78b868

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>>> x_tools_go_gcimporter15-381149a2d6e5d8f319ccf04bfefc71e03a78b868

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.
package short

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- lib/gssapi/mechglue/g_canon_name.c
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- lib/gssapi/mechglue/g_process_context.c
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Optimised ANSI C code for the Rijndael cipher (now AES)

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@version 3.0 (December 2000)

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

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

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Reasonably optimised generic C-code for memcpy on Microblaze
This is generic C code to do efficient, alignment-aware memcpy.

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

http://lwn.net/Kernel/LDD3/

However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

Please send questions/comments/patches about Linux PCI API to the "Linux PCI" <linux-pci@atrey.karlin.mff.cuni.cz> mailing list.

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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

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

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util-linux-2.32|login-utils|setpwnam.c
setpwnam.c -- edit an entry in a password database.

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

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

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

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

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

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C

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error.c -- Functions for handling errors.

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Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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

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

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

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

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

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

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Heavily modified for GnuPG by Werner Koch

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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Version 2.1, February 1999

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

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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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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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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------------------ SECTION 21: SIL Open Font License, V1.1 ------------------

SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

PREAMBLE

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=======================
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2. If this search is successful, then enquire whether the Work is still maintained.
a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then
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this could be done, for example, by posting to comp.text.tex.)
3a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.

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

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---

```
layout: api
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sidebar_title: License
description: |
The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.
---

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<EnterpriseAlert />

The licensing functionality described here is available only in
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This endpoint gets information about the current license.

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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `-`dc` `(string: "")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```
$ curl \n   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```
{
   "Valid": true,
   "License": {
      "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
      "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
      "installation_id": ""*,
      "issue_time": "2018-05-21T20:03:35.911567355Z",
      "start_time": "2018-05-21T04:00:00Z",
      "expiration_time": "2019-05-22T03:59:59.999Z",
      "product": "consul",
      "flags": {
         "package": "premium"
      }
   }
}
```
## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking), [consistency modes](/api/features/consistency), [agent caching](/api/features/caching), and [required ACLs](/api#authentication).

<table>
<thead>
<tr>
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<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: `)` - Specifies the datacenter whose license should be updated.
  This will default to the datacenter of the agent serving the HTTP request.
  This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```shell-session
$ curl \
```
```bash
--request PUT
--data @consul.license
http://127.0.0.1:8500/v1/operator/license
```
<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```shell-session
$ curl \
--request DELETE \
http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
 "Valid": true,
 "License": {
  "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
  "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
  "installation_id": "*",
  "issue_time": "2018-05-21T20:03:35.911567355Z",
  "start_time": "2018-05-21T04:00:00Z",
  "expiration_time": "2019-05-22T03:59:59.999Z",
  "product": "consul",
  "flags": {
   "package": "premium"
  },
  "features": [
   "Automated Backups",
   "Automated Upgrades",
   "Enhanced Read Scalability",
   "Network Segments",
   "Redundancy Zone",
   "Advanced Network Federation"
  ],
  "temporary": false
 },
 "Warnings": []
}
```
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@import './skin';
@import './layout';

%notice {
    margin: 1em 0;
}
/**/
.notice.success {
    @extend %notice-success;
}
.notice.warning {
    @extend %notice-warning;
}
.notice.error {
    @extend %notice-error;
}
.notice.info {
    @extend %notice-info;
}
.notice.highlight {
    @extend %notice-highlight;
}
.notice.policy-management {
    @extend %notice-highlight;
}
.notice.crd::before {

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@import './layout';
.consul-intention-permission-header-list {
> ul > li {
    @extend %list-row-200;
}
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// no documentation yet
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    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

    // no documentation yet
EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

// no documentation yet
Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

// no documentation yet
Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

// no documentation yet
WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
Entity

// no documentation yet
Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

// no documentation yet
KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

// no documentation yet
Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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1.1990 ingest-user-agent 6.8.12

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1.1992 go-redis-redis v7.0.0-beta.4

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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
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Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
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Protocol Buffers for Go with Gadgets
Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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The `/sys/license` endpoint is used to view and update the license used in Vault.

# `/sys/license`

~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl \
   --header "X-Vault-Token: ..." \
   http://127.0.0.1:8200/v1/sys/license
```

### Sample Response

```json
{
  "data": {
    "expiration_time": "2017-11-14T16:34:36.546753-05:00",
    "features": [
      "UI",
      "HSM",
      "Performance Replication",
      "DR Replication"
    ],
    "license_id": "temporary",
    "start_time": "2017-11-14T16:04:36.546753-05:00"
  }
}
```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
  "text": "01ABCDEFG..."
}
```

### Sample Request

```bash
$ curl \
  --header "X-Vault-Token: ..." \
  --request PUT \
  --data @payload.json \
  http://127.0.0.1:8200/v1/sys/license
```

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BSON library for Go

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mgo - MongoDB driver for Go

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</div>
</div>
{{/if}}
</form>
{{/if}}
</section>

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<span class="title is-5">Features</span>

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{{#if info.active}}
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@glyph="check-circle-outline"
{{/if}}
{{/info-table-row}}
{{/if}}
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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

type RepositoryLicense struct {
    Name *string `json:"name,omitempty"`
    Path *string `json:"path,omitempty"`
    SHA    *string `json:"sha,omitempty"`
    Size   *int    `json:"size,omitempty"`
    URL    *string `json:"url,omitempty"`
    HTMLURL *string `json:"html_url,omitempty"`
    GitURL  *string `json:"git_url,omitempty"`
    DownloadURL *string `json:"download_url,omitempty"`
    Type    *string `json:"type,omitempty"`
}
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL  *string `json:"url,omitempty"`
    SPDXID         *string   `json:"spdx_id,omitempty"`
    HTMLURL        *string   `json:"html_url,omitempty"`
    Featured       *bool     `json:"featured,omitempty"`
    Description    *string   `json:"description,omitempty"`
    Implementation *string   `json:"implementation,omitempty"`
    Permissions    []*string `json:"permissions,omitempty"`
    Conditions     []*string `json:"conditions,omitempty"`
    Limitations    []*string `json:"limitations,omitempty"`
    Body           *string   `json:"body,omitempty"`
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }

    var licenses []License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }

    return licenses, resp, nil
}
// Get extended metadata for one license.

// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)
    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }
    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }
    return license, resp, nil
}

Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ecoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

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1.1997 iconv-lite 0.4.23

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1.1999 antlr-runtime 4.5.1 1
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atin/ContextSensitivityInfo.java
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1.2000 go.etcd.io-bbolt v1.3.5

1.2000.1 Available under license :

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1.2001 typedarray 0.0.6

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// Original can be found at:
//   https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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1.2006.1 Available under license:
   // +build go1.10

package pq

import (context)
// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}
// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.

// The returned connector is intended to be used with database/sql.OpenDB.

// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.

func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.2008 kerberos 1.17.1-r0

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mecch/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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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
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- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/kdb/kdb_log.h
- lib/krb5/error_tables/kdb5_err.et
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1.2009 pcre2 10.32-5
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1.2010 gorilla v1.7.3

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1.2011 pycparser 2.14

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# spdx-license-ids


A list of [SPDX license](https://spdx.org/licenses/) identifiers

### Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```
  npm install spdx-license-ids
```

### [Node.js](https://nodejs.org/) API

#### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
```

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false

#### require('spdx-license-ids/deprecated')

Type: `string[]`

```
```
Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation
=======================================================================

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'openssl/crypto/x509v3/v3_admin.c',
'openssl/crypto/x509v3/v3_aen.c',
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'openssl/crypto/x509v3/v3_prn.c',
'openssl/crypto/x509v3/v3_purp.c',
'openssl/crypto/x509v3/v3_skey.c',
'openssl/crypto/x509v3/v3_sxnet.c',
'openssl/crypto/x509v3/v3_tlsf.c',

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openssl/crypto/x509v3/v3_utl.c,
openssl/crypto/x509v3/v3err.c,
openssl/engines/e_capi.c,
openssl/engines/e_padlock.c,
]

openssl_sources_BSD-x86_64: [
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  ./config/archs/BSD-x86_64/asm_avx2/crypto/aesni-sha1-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/aesni-sha256-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/aesni-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/aes/vpaes-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/bn/rsaz-avx2.s,
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  ./config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-gf2m.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-mont.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/bn/x86_64-mont5.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/camellia/cmlf-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/chacha/chacha-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/ec/ecp_nist256-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/ec/x25519-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/md5/md5-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/modes/aesni-gcm-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/modes/ghash-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/poly1305/poly1305-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/rc4/rc4-md5-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/rc4/rc4-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha/keccak1600-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha1-mb-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha1-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha256-mb-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha256-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/sha512-x86_64.s,
  ./config/archs/BSD-x86_64/asm_avx2/crypto/x86_64cpuid.s,
  ./config/archs/BSD-x86_64/asm_avx2/engines/e_padlock-x86_64.s,
],

openssl_defines_BSD-x86_64: [
  'NDEBUG',
  'L_ENDIAN',
  'OPENSSL_PIC',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
  'OPENSSL_BN_ASM_MONT',
  'OPENSSL_BN_ASM_MONT5',
  'OPENSSL_BN_ASM_GF2m',
  'SH1_ASM',
  'SHA256_ASM',
  'SHA512_ASM',
]
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
]

'openssl_cflags_BSD-x86_64': [
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-Wa,--noexecstack',
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-Wall -O3',
'
-pthread',
'
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'openssl_ex_libs_BSD-x86_64': [
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-pthread',
'],

'include_dirs': [
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.',
'./include',
'./crypto',
'./crypto/include/internal',
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cflags': ['<@(openssl_cflags_BSD-x86_64)]},
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)]},
'sources': ['<@(openssl_sources), '<@'(openssl_sources_BSD-x86_64)]},

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the "copyright" line and a pointer to where the full notice is found.

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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        'openssl/record/dtls1_bitmap.c',
        'openssl/record/rec_layer_d1.c',
        'openssl/record/rec_layer_s3.c',
        'openssl/record/ssl3_buffer.c',
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'openssl/engines/e_padlock.c',
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'./config/archs/BSD-x86_64/asm/crypto/engines/e_capi',
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`./config/archs/BSD-x86_64/asm/crypto/whirlpool/wp-x86_64.s`,
`./config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s`,
`./config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s`,
]

`openssl_defines_BSD-x86_64`: [
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'OPENSSL_IA32_SSE2',
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'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
]

`openssl_cflags_BSD-x86_64`: [
'-Wa,--noexecstack',
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`openssl_ex_libs_BSD-x86_64`: [
'-pthread',
]

`include_dirs`: [
'./include',
'./crypto/include/internal',
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'./crypto/include/internal',
']
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validate-npm-package-license

============================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```  

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      '"UNLICENSED", or ' +
      '"SEE LICENSE IN <filename>".
    license is similar to the valid expression "Apache-2.0"
    ]
  }
);
```  

SPDX expressions are valid, too ...

```javascript
```
// Simple SPDX license expression for dual licensing
assert.deepEqual(
    valid('GPL-3.0-only OR BSD-2-Clause'),
    validSPDXExpression
);
```
... except if they contain `LicenseRef`:
```

```javascript
var warningAboutLicenseRef = {
    validForOldPackages: false,
    validForNewPackages: false,
    spdx: true,
    warnings: [
        'license should be ' +
        'a valid SPDX license expression (without "LicenseRef"), ' +
        '"UNLICENSED", or ' +
        '"SEE LICENSE IN <filename>"',
    ]
};

assert.deepEqual(
    valid('LicenseRef-Made-Up'),
    warningAboutLicenseRef
);

assert.deepEqual(
    valid('MIT OR LicenseRef-Made-Up')
    warningAboutLicenseRef
);
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package
and point users there:

```javascript
assert.deepEqual(
    valid('SEE LICENSE IN LICENSE.txt'),
    { 
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'LICENSE.txt'
    })
);

assert.deepEqual(
    valid('SEE LICENSE IN license.md'),
If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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# Contributors

## Project Co-Leads:

- [Chaim Sanders](https://github.com/csanders-git)
- [Christian Folini](https://github.com/dune73)
- [Walter Hop](https://github.com/lifeforms)

## Developers:

- [Franziska Bhler](https://github.com/franbuehler)
- [Christoph Hansen](https://github.com/emphazer)
- [Ervin Hegedus](https://github.com/airween)
- [Victor Hora](https://github.com/victorhora)
- [Andrea Menin](https://github.com/theMiddleBlue)
- [Federico G. Schwindt](https://github.com/fgsch)
- [Manuel Spartan](https://github.com/spartantri)
- [Felipe Zimmerle](https://github.com/zimmerle)
- [Felipe Zipitra](https://github.com/fzipi)

## Contributors:

- [agusmu](https://github.com/agusmu)
- [Zack Allen](https://github.com/zmallen)
- [azhao155](https://github.com/azhao155)
- [azurit](https://github.com/azurit)
- [Matt Bagley](https://github.com/bagley)
- [Ryan Barnett](https://github.com/rcbarnett)
- [soufianebenali](https://github.com/soufianebenali)
- [Peter Bittner](https://github.com/bittner)
- [Allan Boll](https://github.com/allanbomsft)
- [Jeremy Brown](https://github.com/jwbrown77)
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- [Padraig Doran](https://github.com/padraigdoran)
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1.2015 libassuan 2.4.3-2

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Makefile.am
src/Makefile.am
src/assuan-buffer.c
src/assuan-error.c
src/assuan-inquire.c
src/assuan-io.c
src/assuan-listen.c
src/assuan-pipe-server.c
src/assuan-socket-connect.c
src/assuan-socket-server.c
src/assuan-socket.c
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>
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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

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An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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You may convey a work based on the Program, or the modifications to
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terms of section 4, provided that you also meet all of these conditions:

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b) The work must carry prominent notices stating that it is
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additional terms, to the whole of the work, and all its parts,
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d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.

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A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.2028 zlib 1.2.3

1.2028.1 Available under license :
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version 1.2.11, January 15th, 2017

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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4JNIFastDecompressor.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/StreamingXXHash64.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4DecompressorWithLength.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4JNICompressor.java
* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4HCJNICompressor.java
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- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Decompressor.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/util/SafeUtils.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHashJNI.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHash64.java
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- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4BlockInputStream.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4FrameOutputStream.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/StreamingXXHash32JNI.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/AbstractStreamingXXHash64Java.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHashFactory.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Factory.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/util/Native.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Exception.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4SafeDecompressor.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4SafeUtils.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/XXHash32.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4FrameInputStream.java
- /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/lz4/LZ4Constants.java
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* /opt/ws_local/PERMITS_SQL/1068816920_1595472128.15/0/lz4-java-1-7-1-sources-jar/net/jpountz/xxhash/StreamingXXHash32.java

1.2031 config-chain 1.1.12

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1.2034 logstash-codec-edn_lines 3.0.6

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Andrew Gerrand <adg@golang.org>
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Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
akutz <sakutz@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbozhenko@fb.com>
Alvaro Miranda <kikitux@gmail.com>
amandahla <amanda.andrade@serpro.gov.br>
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla@vmware.com>
amit bezalel <amit.bezalel@hpe.com>
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Anfernee Yongkun Gui <agui@vmware.com>
aniketGslab <aniket.shinde@gslab.com>
Arran Walker <arran.walker@zopa.com>
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bastienbc <bastien.barbe.creuly@gmail.com>
Bob Killen <killen.bob@gmail.com>
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```go
package api

import (
    "io/ioutil"
    "strings"
    "time"
)

type License struct {  // The unique identifier of the license
    LicenseID string `json:"license_id"`

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"`

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"`

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"`

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"`

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"`

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"`

    // The product the license is valid for
    Product string `json:"product"`

    // License Specific Flags
    Flags map[string]interface{} `json:"flags"`

    // List of features enabled by the license
}
```
package openapi

import 

// MSX Platform Infrastructure 4.0.0

Features []string `json:"features"

}

type LicenseReply struct {
  Valid    bool
  License  *License
  Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
  var reply LicenseReply
  if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
    return nil, err
  } else {
    return &reply, nil
  }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
  r := op.c.newRequest("GET", "/v1/operator/license")
  r.params.Set("signed", "1")
  r.setQueryOptions(q)
  _, resp, err := requireOK(op.c.doRequest(r))
  if err != nil {
    return "", err
  }
  defer resp.Body.Close()

  data, err := ioutil.ReadAll(resp.Body)
  if err != nil {
    return "", err
  }

  return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
  var reply LicenseReply
  r := op.c.newRequest("DELETE", "/v1/operator/license")
  r.setWriteOptions(opts)
  _, resp, err := requireOK(op.c.doRequest(r))
  if err != nil {
    return nil, err
  }
  defer resp.Body.Close()
if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

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>>> hashicorp_memberlist-cef12ad58224d55cf26caa9e3d239e2fcb3432a2

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>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libolv-0.6.26-3.ph2
>>> libssh2-1.8.0-1.ph2
>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> libof-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcre-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-6.ph2
>>> util-linux-2.32-1.ph2

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>>> bash-4.4.12-3.ph2
>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
>>> kmod-24-3.ph2
>>> libgcrypt-1.8.1-2.ph2
>>> libgpg-error-1.27-1.ph2
>>> systemd-233-18.ph2

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>>> nspr-4.15-1.ph2
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>>> go-openapi_loads-6bb6486231e079ea125c0f39994ed3d0c53399ed
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>>> go-openapi_spec-e072eb2390d3a03736a6eb617d30f48369160447

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>>> gizak_termui-798ff9cbbe4073ef1f88e6069ca4a2c6aa6676b

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check-20d25e2804050c1cd24a7eea1e7a6447dd0e74ec benchmark.go

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>>> godbus_dbus-230e4b23db2fd81e53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoprotoc-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6c

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>>> smartystreets_assertions_internal_oglematchers-287b4346dc4e71a038c346375a9d572453bc469b

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objx - by Mat Ryer and Tyler Bunnell

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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It was heavily inspired by the go blowfish package.

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>>> x_net_lex_httplex-a6577fac2d73be281a500b310739095313165611

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>>> x_sync_singleflight-5a06fca2c336a4b2b2fcb45702e8c47621b2aa2c

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tools-381149a2d6e5d8f319ccf04bfefc71e03a78b868/third_party/typescript/typescript.js

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+build appengine

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It is designed to run only on the instance of godoc that serves golang.org.
package short

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Julian Seward, jseward@bzip.org
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>>> curl-7.59.0-4.ph2

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lib/gssapi/generic/gssapi_err_generic.et
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and the initial implementation of incremental propagation, including
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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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Tim Kientzle, February 2009.

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mt19937int.out is attached (2001/4/2)
rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Bison implementation for Yacc-like parsers in C


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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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chkconfig:   2345 11 89
description: sets up CBQ-based traffic control

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Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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Reasonably optimised generic C-code for memcpy on Microblaze
This is generic C code to do efficient, alignment-aware memcpy.

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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

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However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

Please send questions/comments/patches about Linux PCI API to the "Linux PCI" <linux-pci@atrey.karlin.mff.cuni.cz> mailing list.

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line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.
Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd, _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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text.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
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There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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You may convey a covered work in object code form under the terms

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   (including a physical distribution medium), accompanied by the

   Corresponding Source fixed on a durable physical medium

   customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product

   (including a physical distribution medium), accompanied by a

   written offer, valid for at least three years and valid for as

   long as you offer spare parts or customer support for that product

   model, to give anyone who possesses the object code either (1) a

   copy of the Corresponding Source for all the software in the

   product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
written offer to provide the Corresponding Source. This
alternative is allowed only occasionally and noncommercially, and
only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to
copy the object code is a network server, the Corresponding Source
may be on a different server (operated by you or a third party)
that supports equivalent copying facilities, provided you maintain
clear directions next to the object code saying where to find the
Corresponding Source. Regardless of what server hosts the
Corresponding Source, you remain obligated to ensure that it is
available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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suffice to ensure that the continued functioning of the modified object
code is in no case prevented or interfered with solely because
modification has been made.

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specifically for use in, a User Product, and the conveying occurs as
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fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
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The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.
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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
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Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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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
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works together with the library.

Note that it is possible for a library to be covered by the ordinary
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included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
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interface definition files, plus the scripts used to control compilation
and installation of the library.

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   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining
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Also add information on how to contact you by electronic and paper mail.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990
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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
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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.

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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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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----------------- SECTION 6: GNU Lesser General Public License, V3.0 ----------------

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Version 3, 29 June 2007
This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

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"The Library" refers to a covered work governed by this License, other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library.

Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.
A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

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=======================
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This work has the LPPL maintenance status "maintained".
The Current Maintainer of this work is M. Y. Name.

This work consists of the files pig.dtx and pig.ins and the derived file pig.sty.

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Important Recommendations

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 Portions of the client are based on code at:
 https://github.com/google/go-github/

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protoc-gen-validate
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---
layout: api
title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: |
The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

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The licensing functionality described here is available only in [Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

## Getting the Consul License

This endpoint gets information about the current license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```text
$ curl \\
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
    "Valid": true,
    "License": {
        "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
        "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
        "installation_id": "*",
        "issue_time": "2018-05-21T20:03:35.911567355Z",
        "start_time": "2018-05-21T04:00:00Z",
        "expiration_time": "2019-05-22T03:59:59.999Z",
    }
}
```
"product": "consul",
"flags": {
  "package": "premium"
},
"features": [
  "Automated Backups",
  "Automated Upgrades",
  "Enhanced Read Scalability",
  "Network Segments",
  "Redundancy Zone",
  "Advanced Network Federation"
],
"temporary": false
},
"Warnings": []
```

## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
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<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request
```
$ curl \
   --request PUT \
   --data @consul.license \n   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
   "Valid": true,
   "License": {
      "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
      "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
      "installation_id": "*",
      "issue_time": "2018-05-21T20:03:35.911567355Z",
      "start_time": "2018-05-21T04:00:00Z",
      "expiration_time": "2019-05-22T03:59:59.999Z",
      "product": "consul",
      "flags": {
         "package": "premium"
      },
      "features": [
         "Automated Backups",
         "Automated Upgrades",
         "Enhanced Read Scalability",
         "Network Segments",
         "Redundancy Zone",
         "Advanced Network Federation"
      ],
      "temporary": false
   },
   "Warnings": []
}
```  
## Resetting the Consul License

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DELETE</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for
[blocking queries]([/api/features/blocking.html]),
[consistency modes]([/api/features/consistency.html]),
[agent caching]([/api/features/caching.html]), and
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</table>

### Parameters

- `dc` *(string: "")* - Specifies the datacenter whose license should be updated.
  This will default to the datacenter of the agent serving the HTTP request.
  This is specified as a URL query parameter.

### Sample Request

```text
$ curl \
   --request DELETE \
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  }
}```
procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity

    // no documentation yet
    Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"`

    // no documentation yet
    AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"`

    // no documentation yet
    EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"`

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

    // no documentation yet
    WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    // no documentation yet
    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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1.2044 jetty-util-ajax 9.4.35.v20201120

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. 
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
/org.eclipse.jetty.toolchain:jetty-schemas

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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.

1.2045 asm-debug-all 5.1

1.2046 jwalterweatherman v1.0.0
1.2046.1 Available under license :

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1.2048 go-mssql/db v0.0.0-20200428022330

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1.2049 jackson-databind 2.8.11.6
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 * *
 * g722_decode.c - The ITU G.722 codec, decode part.
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Andrew Dassonville <dassonville.andrew@gmail.com>
Jimmy Casey <casey.jimmy@gmail.com>
Nigel Tao <nigeltao@golang.org>
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3.1.0 / 2017-09-26
==================
* Add `DEBUG_HIDE_DATE` env var (#486)
* Remove ReDoS regexp in %o formatter (#504)
* Remove "component" from package.json
* Remove `component.json`
* Ignore package-lock.json
* Examples: fix colors printout
* Fix: browser detection
* Fix: spelling mistake (#496, @EdwardBetts)

3.0.1 / 2017-08-24
==================
* Fix: Disable colors in Edge and Internet Explorer (#489)

3.0.0 / 2017-08-08
==================
* Breaking: Remove DEBUG_FD (#406)
* Breaking: Use `Date#toISOString()` instead of `Date#toUTCString()` when output is not a TTY (#418)
* Breaking: Make millisecond timer namespace specific and allow 'always enabled' output (#408)
* Addition: document `enabled` flag (#465)
* Addition: add 256 colors mode (#481)
* Addition: `enabled()` updates existing debug instances, add `destroy()` function (#440)
* Update: component: update "ms" to v2.0.0
* Update: separate the Node and Browser tests in Travis-CI
* Update: refactor Readme, fixed documentation, added "Namespace Colors" section, redid screenshots
* Update: separate Node.js and web browser examples for organization
* Update: update "browserify" to v14.4.0
* Fix: fix Readme typo (#473)
2.6.9 / 2017-09-22

* remove ReDoS regexp in %o formatter (#504)

2.6.8 / 2017-05-18

* Fix: Check for undefined on browser globals (#462, @marbemac)

2.6.7 / 2017-05-16

* Fix: Update ms to 2.0.0 to fix regular expression denial of service vulnerability (#458, @hubdotcom)
  * Fix: Inline extend function in node implementation (#452, @dougwilson)
  * Docs: Fix typo (#455, @msasad)

2.6.5 / 2017-04-27

* Fix: null reference check on window.documentElement.style.WebkitAppearance (#447, @thebigredgeek)
  * Misc: clean up browser reference checks (#447, @thebigredgeek)
  * Misc: add npm-debug.log to .gitignore (@thebigredgeek)

2.6.4 / 2017-04-20

* Fix: bug that would occur if process.env.DEBUG is a non-string value. (#444, @LucianBuzzo)
  * Chore: ignore bower.json in npm installations. (#437, @joaovieira)
  * Misc: update "ms" to v0.7.3 (@tootallnate)

2.6.3 / 2017-03-13

* Fix: Electron reference to `process.env.DEBUG` (#431, @paulcbetts)
  * Docs: Changelog fix (@thebigredgeek)

2.6.2 / 2017-03-10

* Fix: DEBUG_MAX_ARRAY_LENGTH (#420, @slavaGanzin)
  * Docs: Add backers and sponsors from Open Collective (#422, @piamancini)
  * Docs: Add Slackin invite badge (@tootallnate)

2.6.1 / 2017-02-10

* Fix: remove ReDoS regexp in %o formatter (#504)
* Fix: Module's `export default` syntax fix for IE8 `Expected identifier` error
* Fix: Whitelist DEBUG_FD for values 1 and 2 only (#415, @pi0)
* Fix: IE8 "Expected identifier" error (#414, @vgoma)
* Fix: Namespaces would not disable once enabled (#409, @musikov)

2.6.0 / 2016-12-28

* Fix: added better null pointer checks for browser useColors (@thebigredgeek)
* Improvement: removed explicit `window.debug` export (#404, @tootallnate)
* Improvement: deprecated `DEBUG_FD` environment variable (#405, @tootallnate)

2.5.2 / 2016-12-25

* Fix: reference error on window within webworkers (#393, @KlausTrainer)
* Docs: fixed README typo (#391, @lurch)
* Docs: added notice about v3 api discussion (@thebigredgeek)

2.5.1 / 2016-12-20

* Fix: babel-core compatibility

2.5.0 / 2016-12-20

* Fix: wrong reference in bower file (@thebigredgeek)
* Fix: webworker compatibility (@thebigredgeek)
* Fix: output formatting issue (#388, @kribblo)
* Fix: babel-loader compatibility (#383, @escwald)
* Misc: removed built asset from repo and publications (@thebigredgeek)
* Misc: moved source files to /src (#378, @yamikuronue)
* Test: added karma integration and replaced babel with browserify for browser tests (#378, @yamikuronue)
* Docs: simplified language in the opening paragraph (#373, @yamikuronue)

2.4.5 / 2016-12-17

* Fix: `navigator` undefined in Rhino (#376, @jochenberger)
* Fix: custom log function (#379, @hsiliev)
* Improvement: bit of cleanup + linting fixes (@thebigredgeek)
* Improvement: rm non-maintained `dist` dir (#375, @freewil)
* Docs: simplified language in the opening paragraph, (#373, @yamikuronue)

2.4.4 / 2016-12-14

* Fix: `navigator` undefined in Rhino (#376, @jochenberger)
* Fix: custom log function (#379, @hsiliev)
* Improvement: bit of cleanup + linting fixes (@thebigredgeek)
* Improvement: rm non-maintained `dist` dir (#375, @freewil)
* Docs: simplified language in the opening paragraph, (#373, @yamikuronue)
* Fix: work around debug being loaded in preload scripts for electron (#368, @paulcbetts)

2.4.3 / 2016-12-14
================================

* Fix: navigation.userAgent error for react native (#364, @escwald)

2.4.2 / 2016-12-14
================================

* Fix: browser colors (#367, @tootallnate)
* Misc: travis ci integration (@thebigredgeek)
* Misc: added linting and testing boilerplate with sanity check (@thebigredgeek)

2.4.1 / 2016-12-13
================================

* Fix: typo that broke the package (#356)

2.4.0 / 2016-12-13
================================

* Fix: bower.json references unbuilt src entry point (#342, @justmatt)
* Fix: revert "handle regex special characters" (@tootallnate)
* Feature: configurable util.inspect()'options for NodeJS (#327, @tootallnate)
* Feature: %O (big O) pretty-prints objects (#322, @tootallnate)
* Improvement: allow colors in workers (#335, @botverse)
* Improvement: use same color for same namespace. (#338, @lichenay)

2.3.3 / 2016-11-09
================================

* Fix: Catch `JSON.stringify()` errors (#195, Jovan Alleyne)
* Fix: Returning `localStorage` saved values (#331, Levi Thomason)
* Improvement: Don't create an empty object when no `process` (Nathan Rajlich)

2.3.2 / 2016-11-09
================================

* Fix: be super-safe in index.js as well (@TooTallNate)
* Fix: should check whether process exists (Tom Newby)

2.3.1 / 2016-11-09
================================

* Fix: Added electron compatibility (#324, @paulcbetts)
* Improvement: Added performance optimizations (@tootallnate)
* Readme: Corrected PowerShell environment variable example (#252, @gimre)
* Misc: Removed yarn lock file from source control (#321, @fengmk2)

2.3.0 / 2016-11-07
==================================
* Fix: Consistent placement of ms diff at end of output (#215, @gorangajic)
* Fix: Escaping of regex special characters in namespace strings (#250, @zacronos)
* Fix: Fixed bug causing crash on react-native (#282, @vkarpov15)
* Feature: Enabled ES6+ compatible import via default export (#212 @bucaran)
* Feature: Added %O formatter to reflect Chrome's console.log capability (#279, @oncletom)
* Package: Update "ms" to 0.7.2 (#315, @DevSide)
* Package: removed superfluous version property from bower.json (#207 @kkirsche)
* Readme: fix USE_COLORS to DEBUG_COLORS
* Readme: Doc fixes for format string sugar (#269, @mlucool)
* Readme: Updated docs for DEBUG_FD and DEBUG_COLORS environment variables (#232, @mattlyons0)
* Readme: doc fixes for PowerShell (#271 #243, @exoticknight @unreadable)
* Readme: better docs for browser support (#224, @matthewmueller)
* Tooling: Added yarn integration for development (#317, @thebigredgeek)
* Misc: Renamed History.md to CHANGELOG.md (@thebigredgeek)
* Misc: Added license file (#226 #274, @CantemoInternal @sdaitzman)
* Misc: Updated contributors (@thebigredgeek)

2.2.0 / 2015-05-09
==================
* package: update "ms" to v0.7.1 (#202, @dougwilson)
* README: add logging to file example (#193, @DanielOchoa)
* README: fixed a typo (#191, @amir-s)
* browser: expose `storage` (#190, @stephenmathieson)
* Makefile: add a `distclean` target (#189, @stephenmathieson)

2.1.3 / 2015-03-13
==================
* Updated stdout/stderr example (#186)
* Updated example/stdout.js to match debug current behaviour
* Renamed example/stderr.js to stdout.js
* Update Readme.md (#184)
* replace high intensity foreground color for bold (#182, #183)

2.1.2 / 2015-03-01
==================
* dist: recompile
* update "ms" to v0.7.0
* package: update "browserify" to v9.0.3
* component: fix "ms.js" repo location
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* changed bower package name
* updated documentation about using debug in a browser
* fix: security error on safari (#167, #168, @yields)

2.1.1 / 2014-12-29
==================

* browser: use `typeof` to check for `console` existence
* browser: check for `console.log` truthiness (fix IE 8/9)
* browser: add support for Chrome apps
* Readme: added Windows usage remarks
* Add `bower.json` to properly support bower install

2.1.0 / 2014-10-15
==================

* node: implement `DEBUG_FD` env variable support
* package: update "browserify" to v6.1.0
* package: add "license" field to package.json (#135, @panuhorsmalhti)

2.0.0 / 2014-09-01
==================

* package: update "browserify" to v5.11.0
* node: use stderr rather than stdout for logging (#29, @stephenmathieson)

1.0.4 / 2014-07-15
==================

* dist: recompile
* example: remove `console.info()` log usage
* example: add "Content-Type" UTF-8 header to browser example
* browser: place `%c` marker after the space character
* browser: reset the "content" color via `color: inherit`
* browser: add colors support for Firefox >= v31
* debug: prefer an instance `log()` function over the global one (#119)
* Readme: update documentation about styled console logs for FF v31 (#116, @wryk)

1.0.3 / 2014-07-09
==================

* Add support for multiple wildcards in namespaces (#122, @seegno)
* browser: fix lint

1.0.2 / 2014-06-10
==================

* browser: update color palette (#113, @gscottolson)
* common: make console logging function configurable (#108, @timoxley)
* node: fix %o colors on old node <= 0.8.x
* Makefile: find node path using shell/which (#109, @timoxley)

1.0.1 / 2014-06-06

* browser: use `removeItem()` to clear localStorage
* browser, node: don't set DEBUG if namespaces is undefined (#107, @leedm777)
* package: add "contributors" section
* node: fix comment typo
* README: list authors

1.0.0 / 2014-06-04

* make ms diff be global, not be scope
* debug: ignore empty strings in enable()
* node: make DEBUG_COLORS able to disable coloring
* *: export the `colors` array
* npmignore: don't publish the `dist` dir
* Makefile: refactor to use browserify
* package: add "browserify" as a dev dependency
* Readme: add Web Inspector Colors section
* node: reset terminal color for the debug content
* node: map "%o" to `util.inspect()`
* browser: map "%j" to `JSON.stringify()`
* debug: add custom "formatters"
* debug: use "ms" module for humanizing the diff
* Readme: add "bash" syntax highlighting
* browser: add Firebug color support
* browser: add colors for WebKit browsers
* node: apply log to `console`
* rewrite: abstract common logic for Node & browsers
* add .jshintrc file

0.8.1 / 2014-04-14

* package: re-add the "component" section

0.8.0 / 2014-03-30

* add `enable()` method for nodejs. Closes #27
* change from stderr to stdout
* remove unnecessary index.js file
0.7.4 / 2013-11-13
==================
* remove "browserify" key from package.json (fixes something in browserify)

0.7.3 / 2013-10-30
==================
* fix: catch localStorage security error when cookies are blocked (Chrome)
* add debug(err) support. Closes #46
* add .browser prop to package.json. Closes #42

0.7.2 / 2013-02-06
==================
* fix package.json
* fix: Mobile Safari (private mode) is broken with debug
* fix: Use unicode to send escape character to shell instead of octal to work with strict mode javascript

0.7.1 / 2013-02-05
==================
* add repository URL to package.json
* add DEBUG_COLORED to force colored output
* add browserify support
* fix component. Closes #24

0.7.0 / 2012-05-04
==================
* Added .component to package.json
* Added debug.component.js build

0.6.0 / 2012-03-16
==================
* Added support for "." prefix in DEBUG [Vinay Pulim]
* Added `.enabled` flag to the node version [TooTallNate]

0.5.0 / 2012-02-02
==================
* Added: humanize diffs. Closes #8
* Added `debug.disable()` to the CS variant
* Removed padding. Closes #10
* Fixed: persist client-side variant again. Closes #9

0.4.0 / 2012-02-01

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* Added browser variant support for older browsers [TooTallNate]
* Added `debug.enable('project:*')` to browser variant [TooTallNate]
* Added padding to diff (moved it to the right)

0.3.0 / 2012-01-26

* Added millisecond diff when isatty, otherwise UTC string

0.2.0 / 2012-01-22

* Added wildcard support

0.1.0 / 2011-12-02

* Added: remove colors unless stderr isatty [TooTallNate]

0.0.1 / 2010-01-03

* Initial release

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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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
"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.

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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.

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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
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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
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You must give prominent notice with each copy of the work that the Library is used in and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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   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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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
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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.

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former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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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.)

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Specifically, the GPL parts of FFmpeg are:

- `libpostproc`
- optional x86 optimization in the files
  - `libavcodec/x86/flac_dsp_gpl.asm`
  - `libavcodec/x86/idct_mmx.c`
  - `libavfilter/x86/vf_removegrain.asm`
- the following building and testing tools
  - `compat/solaris/make_sunver.pl`
  - `doc/t2h.pm`
  - `doc/texi2pod.pl`
  - `libswresample/tests/swresample.c`
  - `tests/checkasm/*`
  - `tests/tiny_ssim.c`
- the following filters in libavfilter:
  - `signature_lookup.c`
- `vf_blackframe.c`
- `vf_boxblur.c`
- `vf_colormatrix.c`
- `vf_cover_rect.c`
- `vf_cropdetect.c`
- `vf_delogo.c`
- `vf_eq.c`
- `vf_find_rect.c`
- `vf_fspp.c`
- `vf_geq.c`
- `vf_histeq.c`
- `vf_hqdn3d.c`
- `vf_kerndeint.c`
- `vf_lensfun.c` (GPL version 3 or later)
- `vf_mcodeint.c`
- `vf_mpdecimate.c`
- `vf_nnedi.c`
- `vf_owdenoise.c`
- `vf_perspective.c`
- `vf_phase.c`
- `vf_pp.c`
- `vf_pp7.c`
- `vf_pullup.c`
- `vf_repeatfields.c`
- `vf_sab.c`
- `vf_signature.c`
- `vf_smartblur.c`
- `vf_spp.c`
- `vf_stereo3d.c`
- `vf_super2xsai.c`
- `vf_tinterlace.c`
- `vf_uspp.c`
- `vf_vaguedenoiser.c`
- `vsrc_mptestsrc.c`

Should you, for whatever reason, prefer to use version 3 of the (L)GPL, then the configure parameter `--enable-version3` will activate this licensing option for you. Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts, `COPYING.GPLv3` to learn the exact legal terms that apply in this case.

There are a handful of files under other licensing terms, namely:

* The files `libavcodec/jfdctfst.c`, `libavcodec/jfdctint_template.c` and `libavcodec/jrevdct.c` are taken from libjpeg, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables. You must also indicate any changes including additions and deletions to those three files in the documentation.
* `tests/reference.pnm` is under the expat license.

## External libraries

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

### Compatible libraries

The following libraries are under GPL version 2:
- avisynth
- frei0r
- libcdio
- libdavs2
- librubberband
- libvidstab
- libx264
- libx265
- libxavs
- libxavs2
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing `--enable-gpl` to configure.

The following libraries are under LGPL version 3:
- gmp
- libaribb24
- liblensfun

When combining them with FFmpeg, use the configure option `--enable-version3` to upgrade FFmpeg to the LGPL v3.

The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under the Apache License 2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not with version 3 of those licenses. So to combine these libraries with FFmpeg, the license version needs to be upgraded by passing `--enable-version3` to configure.

The smbclient library is under the GPL v3, to combine it with FFmpeg, the options `--enable-gpl` and `--enable-version3` have to be passed to configure to upgrade FFmpeg to the GPL v3.

### Incompatible libraries

There are certain libraries you can combine with FFmpeg whose licenses are not compatible with the GPL and/or the LGPL. If you wish to enable these libraries, even in circumstances that their license may be incompatible, pass
'--enable-nonfree' to configure. This will cause the resulting binary to be unredistributable.

The Fraunhofer FDK AAC and OpenSSL libraries are under licenses which are incompatible with the GPLv2 and v3. To the best of our knowledge, they are compatible with the LGPL.

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//
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// o reverse lookup table for the decode function
// o reserve string buffer space in advance
//
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

```
A tiny JavaScript debugging utility modelled after Node.js core's debugging technique. Works in Node.js and web browsers.

## Installation

```bash
$ npm install debug
```

## Usage

`debug` exposes a function; simply pass this function the name of your module, and it will return a decorated version of `console.error` for you to pass debug statements to. This will allow you to toggle the debug output for different parts of your module as well as the module as a whole.

Example [/_app.js_](./examples/node/app.js):

```js
var debug = require('debug')('http');
, http = require('http');
, name = 'My App';
```
// fake app

debug('booting %o', name);

http.createServer(function(req, res){
  debug(req.method + ' ' + req.url);
  res.end('hello
');
}).listen(3000, function(){
  debug('listening);
});

// fake worker of some kind

require('./worker');

```js
Example [_worker.js_](./examples/node/worker.js):

```js
var a = require('debug')('worker:a')
 , b = require('debug')('worker:b');

function work() {
  a('doing lots of uninteresting work');
  setTimeout(work, Math.random() * 1000);
}

work();

function workb() {
  b('doing some work');
  setTimeout(workb, Math.random() * 2000);
}

workb();

```js

The `DEBUG` environment variable is then used to enable these based on space or comma-delimited names.

Here are some examples:

<img width="647" alt="screen shot 2017-08-08 at 12 53 04 pm" src="https://user-images.githubusercontent.com/71256/29091703-a6302cdc-7c38-11e7-8304-7c0b3bc600cd.png">

<img width="647" alt="screen shot 2017-08-08 at 12 53 38 pm" src="https://user-images.githubusercontent.com/71256/29091700-a62a6888-7c38-11e7-800b-db911291ca2b.png">

<img width="647" alt="screen shot 2017-08-08 at 12 53 25 pm" src="https://user-images.githubusercontent.com/71256/29091701-a62ea114-7c38-11e7-826a-2692bedca740.png">
#### Windows command prompt notes

##### CMD

On Windows the environment variable is set using the `set` command.

```cmd
set DEBUG=*,-not_this
```

Example:

```cmd
set DEBUG=* & node app.js
```

##### PowerShell (VS Code default)

PowerShell uses different syntax to set environment variables.

```cmd
$env:DEBUG = "*,-not_this"
```

Example:

```cmd
$env:DEBUG='app';node app.js
```

Then, run the program to be debugged as usual.

npm script example:

```js
"windowsDebug": "@powershell -Command $env:DEBUG='*';node app.js",
```

## Namespace Colors

Every debug instance has a color generated for it based on its namespace name. This helps when visually parsing the debug output to identify which debug instance a debug line belongs to.

### Node.js

In Node.js, colors are enabled when stderr is a TTY. You also _should_ install the [‘supports-color’](https://npmjs.org/supports-color) module alongside debug,
otherwise debug will only use a small handful of basic colors.

#### Web Browser

Colors are also enabled on "Web Inspectors" that understand the `%c` formatting option. These are WebKit web inspectors, Firefox ([since version 31](https://hacks.mozilla.org/2014/05/editable-box-model-multiple-selection-sublime-text-keys-much-more-firefox-developer-tools-episode-31/)) and the Firebug plugin for Firefox (any version).

#### Millisecond diff

When actively developing an application it can be useful to see when the time spent between one `debug()` call and the next. Suppose for example you invoke `debug()` before requesting a resource, and after as well, the "+NNNms" will show you how much time was spent between calls.

When stdout is not a TTY, `Date#toISOString()` is used, making it more useful for logging the debug information as shown below:

#### Conventions

If you're using this in one or more of your libraries, you _should_ use the name of your library so that developers may toggle debugging as desired without guessing names. If you have more than one debuggers you _should_ prefix them with your library name and use ":" to separate features. For example "bodyParser" from Connect would then be "connect:bodyParser". If you append a "*" to the end of your name, it will always be enabled regardless of the setting of the DEBUG environment variable. You can then use it for normal output as well as debug output.

The `*` character may be used as a wildcard. Suppose for example your library has debuggers named "connect:bodyParser", "connect:compress", "connect:session", instead of listing all three with

```
`DEBUG=connect:bodyParser,connect:compress,connect:session`
```

you may simply do

```
`DEBUG=connect:*`
```

or to run everything using this module simply use `DEBUG=*`.

---

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You can also exclude specific debuggers by prefixing them with a ",-" character. For example, `DEBUG=-*,connect:*` would include all debuggers except those starting with "connect:.

## Environment Variables

When running through Node.js, you can set a few environment variables that will change the behavior of the debug logging:

<table>
<thead>
<tr>
<th>Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DEBUG</code></td>
<td>Enables/disables specific debugging namespaces.</td>
</tr>
<tr>
<td><code>DEBUG_HIDE_DATE</code></td>
<td>Hide date from debug output (non-TTY).</td>
</tr>
<tr>
<td><code>DEBUG_COLORS</code></td>
<td>Whether or not to use colors in the debug output.</td>
</tr>
<tr>
<td><code>DEBUG_DEPTH</code></td>
<td>Object inspection depth.</td>
</tr>
<tr>
<td><code>DEBUG_SHOW_HIDDEN</code></td>
<td>Shows hidden properties on inspected objects.</td>
</tr>
</tbody>
</table>

__Note:__ The environment variables beginning with `DEBUG_` end up being converted into an Options object that gets used with `\%o`/`\%O` formatters. See the Node.js documentation for `\util.inspect()`([https://nodejs.org/api/util.html#util_util_inspect_object_options](https://nodejs.org/api/util.html#util_util_inspect_object_options)) for the complete list.

## Formatters

Debug uses [printf-style](https://en.wikipedia.org/wiki/Printf_format_string) formatting. Below are the officially supported formatters:

<table>
<thead>
<tr>
<th>Formatter</th>
<th>Representation</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>\%O</code></td>
<td>Pretty-print an Object on multiple lines.</td>
</tr>
<tr>
<td><code>\%o</code></td>
<td>Pretty-print an Object all on a single line.</td>
</tr>
<tr>
<td><code>\%s</code></td>
<td>String.</td>
</tr>
<tr>
<td><code>\%d</code></td>
<td>Number (both integer and float).</td>
</tr>
<tr>
<td><code>\%j</code></td>
<td>JSON. Replaced with the string '[Circular]' if the argument contains circular references.</td>
</tr>
<tr>
<td><code>\%%</code></td>
<td>Single percent sign ('%'). This does not consume an argument.</td>
</tr>
</tbody>
</table>

### Custom formatters

You can add custom formatters by extending the `\debug.formatters` object. For example, if you wanted to add support for rendering a Buffer as hex with `\%h`, you could do something like:

```js
const createDebug = require('debug')
```

---

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createDebug.formatters.h = (v) => {
  return v.toString('hex')
}

// elsewhere
const debug = createDebug('foo')
debg('this is hex: %h', new Buffer('hello world'))
// foo this is hex: 68656c6c6f20776f726c6421 +0ms
```

## Browser Support

You can build a browser-ready script using [browserify](https://github.com/substack/node-browserify),
or just use the [browserify-as-a-service](https://wzrd.in/) [build](https://wzrd.in/standalone/debug@latest),
if you don't want to build it yourself.

Debug's enable state is currently persisted by 'localStorage'.
Consider the situation shown below where you have `worker:a` and `worker:b`,
and wish to debug both. You can enable this using `localStorage.debug`:

```js
localStorage.debug = 'worker:*'
```

And then refresh the page.

```js
a = debug('worker:a');
b = debug('worker:b');

setInterval(function(){
a('doing some work');
}, 1000);

setInterval(function(){
b('doing some work');
}, 1200);
```

## Output streams

By default `debug` will log to stderr, however this can be configured per-namespace by overriding the `log` method:

Example [stdout.js](./examples/node/stdout.js):
```js
var debug = require('debug');
var error = debug('app:error');

// by default stderr is used
error('goes to stderr!');

var log = debug('app:log');
// set this namespace to log via console.log
log.log = console.log.bind(console); // don't forget to bind to console!
log('goes to stdout');
error('still goes to stderr!');

// set all output to go via console.info
// overrides all per-namespace log settings
debug.log = console.info.bind(console);
error('now goes to stdout via console.info');
log('still goes to stdout, but via console.info now');
```

## Extend
You can simply extend debugger
```js
const log = require('debug')('auth');

//creates new debug instance with extended namespace
const logSign = log.extend('sign');
const logLogin = log.extend('login');

log('hello'); // auth hello
logSign('hello'); //auth:sign hello
logLogin('hello'); //auth:login hello
```

## Set dynamically
You can also enable debug dynamically by calling the `enable()` method:
```js
let debug = require('debug');

console.log(1, debug.enabled('test'));

debug.enable('test');
console.log(2, debug.enabled('test'));
debug.disable();
console.log(3, debug.enabled('test'));
```
print:
```
  1 false
  2 true
  3 false
```

Usage:
`enable(namespaces)`
`namespaces` can include modes separated by a colon and wildcards.

Note that calling `enable()` completely overrides previously set DEBUG variable:

```
...
$ DEBUG=foo node -e 'var dbg = require("debug"); dbg.enable("bar"); console.log(dbg.enabled("foo"))'
=> false
...
```

## Checking whether a debug target is enabled

After you've created a debug instance, you can determine whether or not it is enabled by checking the `enabled` property:

```
````javascript
const debug = require('debug')('http');

if (debug.enabled) {
  // do stuff...
}
````

You can also manually toggle this property to force the debug instance to be enabled or disabled.

## Authors

- TJ Holowaychuk
- Nathan Rajlich
- Andrew Rhyne

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dynamic_annotations
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Following applies to:
./test/mapstaticmethods.cpp
./test/schur_real.cpp
./test/prec_inverse_4x4.cpp
./test/smallvectors.cpp
./test/redux.cpp
./test/special_numbers.cpp
./test/adjoint.cpp
./test/resize.cpp
./test/mixingtypes.cpp
./test/product_trmv.cpp
./test/sparse_solvers.cpp
./test/cholesky.cpp
./test/geo_quaternion.cpp
./test/miscmatrices.cpp
./test/stddeque.cpp
./test/integer_types.cpp
./test/product_large.cpp
./test/eigensolver_generic.cpp
./test/householder.cpp
./test/geo_orthomethods.cpp
./test/array_for_matrix.cpp
./test/sparseLM.cpp
./test/upperbidiagonalization.cpp
./test/nomalloc.cpp
./test/packetmath.cpp
./test/jacobisvd.cpp
./test/geo_transformations.cpp
./test/swap.cpp
./test/eigensolver_selfadjoint.cpp
./test/inverse.cpp
/test/product_selfadjoint.cpp
/test/product_trsolve.cpp
/test/product_extra.cpp
/test/sparse_solver.h
/test/mapstride.cpp
/test/mapped_matrix.cpp
/test/geo_eulerangles.cpp
/test/eigen2support.cpp
/test/denseLM.cpp
/test/stdvector.cpp
/test/nesting_ops.cpp
/test/sparse_permutations.cpp
/test/zerosized.cpp
/test/exceptions.cpp
/test/vectorwiseop.cpp
/test/cwiseop.cpp
/test/basicstuff.cpp
/test/product_trmm.cpp
/test/linearstructure.cpp
/test/sparse_product.cpp
/test/stdvector_overload.cpp
/test/stable_norm.cpp
/test/umeyama.cpp
/test/unalignedcount.cpp
/test/triangular.cpp
/test/product_mmmr.cpp
/test/sparse_basic.cpp
/test/sparse_vector.cpp
/test/meta.cpp
/test/real_qz.cpp
/test/ref.cpp
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/test/conjugate_gradient.cpp
/test/sparse.h
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/test/geo_hyperplane.cpp
/test/lu.cpp
/test/qr.cpp
/test/hessenberg.cpp
/test/sizeof.cpp
/test/main.h
/test/selfadjoint.cpp
/test/permutationmatrices.cpp
/test/superlu_support.cpp
/Eigen/src/QR/HouseholderQR.h
/ Eigen/src/QR/ColPivHouseholderQR.h
/ Eigen/src/QR/FullPivHouseholderQR.h
/ Eigen/src/SVD/JacobiSVD.h
/ Eigen/src/SVD/UpperBidiagonalization.h
/ Eigen/src/Geometry/OrthoMethods.h
/ Eigen/src/Geometry/AlignedBox.h
/ Eigen/src/Geometry/Hyperplane.h
/ Eigen/src/Geometry/Quaternion.h
/ Eigen/src/Geometry/EulerAngles.h
/ Eigen/src/Geometry/Rotation2D.h
/ Eigen/src/Geometry/ParametrizedLine.h
/ Eigen/src/Geometry/RotationBase.h
/ Eigen/src/Geometry/arch/Geometry_SSE.h
/ Eigen/src/Geometry/Umeyama.h
/ Eigen/src/Geometry/Homogeneous.h
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/ Eigen/src/Geometry/Transform.h
/ Eigen/src/plugins/BlockMethods.h
/ Eigen/src/plugins/CommonCwiseUnaryOps.h
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/ Eigen/src/Householder/BlockHouseholder.h
/ Eigen/src/Core/VectorBlock.h
/ Eigen/src/Core/Matrix.h
/ Eigen/src/Core/Ref.h
/ Eigen/src/Core/SelfAdjointView.h
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/ Eigen/src/Core/GlobalFunctions.h
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/ Eigen/src/Core/EigenBase.h
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/ Eigen/src/Core/SolveTriangular.h
/ Eigen/src/Core/Fuzzy.h
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./unsupported/Eigen/src/Eigenvalues/ArpackSelfAdjointEigenSolver.h
./Eigen/src/OrderingMethods/Amd.h
./Eigen/src/SparseCholesky/SimplicialCholesky_impl.h

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--- end of FTL.TXT ---

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GL
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Mesa Component Licenses

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objective_c/gtm_session_fetcher

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Subject to the terms of this Agreement, The Qt Company grants to Licensee a personal, worldwide, non-exclusive, non-transferable license, valid for the Term, to (i) distribute, by itself or through its Contractors, Redistributables as installed, incorporated or integrated into Applications for execution on the Deployment Platforms, and (ii) distribute, by itself or through one or more tiers of Contractors, Redistributables as installed, incorporated or integrated, or intended to be installed, incorporated or integrated into Devices for execution on the Deployment Platforms, and (iii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Applications and/or Devices for their respective intended purposes.
Right to distribute the Redistributables as provided herein is conditional upon the Licensee having purchased and paid the appropriate amount of Development and Distribution Licenses from The Qt Company before distributing any Redistributables to Customers.

For the avoidance of any doubt it is specifically acknowledged and agreed that distribution of Redistributables solely as installed, incorporated or integrated into Applications for execution on the Deployment Platform(s), as specified in (i) of the first paragraph of Section 3.2 above, i.e. with no connection to Devices or intention to use in connection therewith, shall not require a Distribution License.

3.3 SDK License

The Qt Company grants to Licensee a personal, worldwide, non-exclusive, non-transferable license, valid for the Term, to (i) distribute Licensed Software as a part of the SDK to Licensees SDK Contractors in connection with the Program and (ii) in connection with the Program, by itself or by Licensee's SDK Contractors, combine, incorporate or integrate Licensed Software with, or use Licensed Software for creation of, any software created with or incorporating Open Source Qt, provided, however, that:

(i) the Licensees SDK Contractors are only entitled to use the Licensed Software as part of SDK and for the sole purpose of developing software for Devices that are distributed under the Program; and

(ii) Licensees SDK Contractors shall not be entitled to distribute the SDK or any part thereof to any third parties.

For the avoidance of any doubt, the distribution of such software development tools that do not contain Licensed Software shall not be covered by this Agreement.

3.4 Further Requirements

The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:

(i) Licensee shall not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software;

(ii) Applications and SDKs must add primary and substantial functionality to the Licensed Software;

(iii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt
Quick”) functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(iv) Applications and SDKs must not compete with the Licensed Software;

(v) Licensee shall not use The Qt Company’s or any of its suppliers’ names, logos, or trademarks to market Applications or SDKs, except that Licensee may use "Built with Qt" logo to indicate that Application(s) was developed using the Licensed Software;

(vi) Except as expressly provided in Section 3.3, Licensee shall not distribute, sublicense or disclose source code of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors as Designated Users to use Licensed Software pursuant to this Agreement);

(vii) Licensee shall not grant the Customers a right to (i) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (ii) modify the Redistributables or create derivative works thereof, (iii) decompile, disassemble or otherwise reverse engineer Redistributables, or (iv) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Device on which the Redistributables are installed;

(viii) Except as expressly provided in Section 3.3, Licensee shall not and shall cause that its Affiliates, Contractors and Licensee’s SDK Contractors shall not a) in any way, combine, incorporate or integrate Licensed Software with, or use Licensed Software for creation of, any software created with or incorporating Open Source Qt or b) incorporate or integrate Applications into a hardware device or product other than a Device, unless Licensee has received an advance written permission from The Qt Company to do so. Unless specifically otherwise agreed, any and all distribution by the Licensee during the Term of a hardware device or product a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where the main user interface or substantial functionality is provided by software build with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered as distribution under this Agreement and dependent on compliance thereof (including but not limited to obligation to pay applicable License Fees for such distribution);

(ix) Licensee shall cause all of its Affiliates and Contractors entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);
(x) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software;

(xi) Licensee shall not take any action inconsistent with The Qt Company’s Intellectual Property Rights; and

(xii) Attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws.

Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

4. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included in the Licensed Software. Such Third Party Software will be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third Party Software is in all respects subject to applicable license terms of applicable third party right holders.

5. PRE-RELEASE CODE

The Licensed Software may contain pre-release code and functionality marked or otherwise stated as “Technology Preview”, "Alpha", "Beta" or similar designation. Such pre-release code may be present in order to provide experimental support for new platforms or preliminary versions of one or more new functionalities. The pre-release code may not be at the level of performance and compatibility of a final, generally available, product offering of the Licensed Software. The pre-release parts of the Licensed Software may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make pre-release code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any pre-release code, but any use thereof is exclusively at Licensee’s own risk and expense.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER

The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.
Except as set forth above, the Licensed Software is licensed to Licensee "as is".

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Licensee's exclusive remedy and The Qt Company's entire liability for Licensed Software shall be limited, at The Qt Company's option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY

7.1 Limitation of Liability

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, (II) LICENSEE'S DUTY TO PAY ALL APPLICABLE LICENSE FEES AND COMPENSATIONS, AND (III) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, (II) LICENSEE'S DUTY TO PAY ALL APPLICABLE LICENSE FEES AND COMPENSATIONS, AND (III) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY'S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES RECEIVED BY THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

7.2 Licensees Indemnification

Licensee shall indemnify and hold harmless The Qt Company from and against any
claim, injury, judgment, settlement, loss or expense, including attorneys' fees related to: (a) Licensee's misrepresentation in connection with The Qt Company or the Licensed Software or breach of this Agreement, (b) the Application or Device (except where such cause of liability is solely attributable to the Licensed Software).

8. SUPPORT, UPDATES AND ONLINE SERVICES

Licensee will be eligible to receive Support and Updates and to use the Online Services during the Support Term. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

Licenses granted under this Agreement shall include a prepaid Initial Support Term.

Initial Support Term shall be automatically extended to one or more Support Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the Support, such notification to be provided to the other Party no less than ninety (90) days before expiry of the Initial Support Term or respective Support Renewal Term. During any such Support Renewal Term Support shall be available subject to prices and terms agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard pricing applicable at the commencement date of any such Support Renewal Term. From time to time The Qt Company may change Support provided within each Support plan; provided that during the respective Initial Support Term or Support Renewal Term (as the case may be), the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to the Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential
Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1 License Fees

License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be. The License Fees shall not be refunded or claimed as a credit, even on the ground that Distribution Licenses are not used, i.e. Redistributables are not actually distributed corresponding to the Distribution Licenses purchased, or for any other reason.

10.2 Ordering Licenses

Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the
Parties.

10.3 Distribution

License Packs Unless otherwise agreed, the Distribution Licenses are bought by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for installing, bundling or integrating (all jointly "installing") the Redistributables with the Devices or for otherwise distributing the Redistributables in accordance with this Agreement.

Each time Licensee "installs" or distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may "install" copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

Redistributables will be deemed to have been "installed" into a Device when one of the following circumstances shall have occurred: a) the Redistributables have been loaded onto the Device and used outside of the Licensee's premises or b) the Device has been fully tested and placed into Licensee's inventory (or sold) for the first time (i.e., Licensee will not be required to use (or pay for) more than one Distribution License for each individual Device, e.g. in a situation where a Device is returned to Licensee's inventory after delivery to a distributor or sale to a Customer). In addition, if Licensee includes a back-up copy of the Redistributables on a CD-ROM or other storage medium along with the product, that backup copy of the Redistributables will not be deemed to have been "installed" and will not require an additional Distribution License.

10.4 Payment Terms

License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee. A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

The Qt Company shall have the right to suspend, terminate or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Developer License, Distribution License, and Support, should Licensee fail to make payment in a timely fashion.
10.5 Taxes

All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax and other taxes, duties or tariffs ("Taxes"). Such applicable Taxes shall be paid by Licensee, or, where applicable, in lieu of payment of such Taxes, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11 RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1 Licensee's Record-keeping

Licensee shall at all times maintain accurate and up-to-date written records of Licensee's activities related to the use of Licensed Software and distribution of Redistributables. The records shall be adequate to determine Licensee's compliance with the provisions of this Agreement and to demonstrate the number of Designated Users and Redistributables distributed by Licensee. The records shall conform to good accounting practices reasonably acceptable to The Qt Company.

Licensee shall, within thirty (30) days from the end of each calendar quarter, deliver to The Qt Company a report detailing the number of Designated Users and copies of Redistributables distributed by Licensee during that calendar quarter, and also detailing the number of undistributed copies of Redistributables made by Licensee and remaining in its account (i.e., undistributed copies for which Distribution Licenses have been or need to be obtained from The Qt Company). Such report shall contain such other information as The Qt Company shall reasonably require from time to time.

11.2. The Qt Company's Audit Rights

The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the use of the Redistributables, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to immediately pay The Qt Company any amounts owed for such unauthorized use.

In addition, in the event the audit reveals a material violation of the terms of
this Agreement (underpayment of more than 5% of License Fees shall always be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12 TERM AND TERMINATION

12.1 Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Term, unless and until terminated pursuant to the terms of this Section 12.

12.2 Termination by The Qt Company

The Qt Company shall have the right to terminate this Agreement upon thirty (30) days prior written notice if (i) the Licensee is in material breach of any obligation of this Agreement and fails to remedy such breach within such notice period; (ii) or Licensee or any of its Affiliates bring a suit before any court or administrative agency or otherwise assert a claim against The Qt Company's or any of its Affiliates' Intellectual Property Rights or validity thereof.

12.3 Mutual Right to Terminate

Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4 Parties Rights and Duties upon Termination

Upon expiry or termination of the Agreement for any reason, Licensee shall, within 30 days after such termination, cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') and Licensee's SDK Contractors to cease using the Licensed Software and distribution of the Redistributables under this Agreement. Notwithstanding the above, in the event the Agreement expires or is terminated for reason other than by The Qt Company pursuant to Section 12.2, the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may
reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS’ Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from
seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1 No Assignment Licensee

shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2 No Third Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company’s behalf shall be void as to The Qt Company.

14.3 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive.

14.4 Entire Agreement

This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein. In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

14.5 Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee’s Purchase Order shall apply unless expressly accepted by The Qt Company in writing.

14.6 Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic
event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7 Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for The Qt Company in the beginning of this Agreement, and for the Licensee in the Licensees account profile. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8 Export Control

Licensee acknowledges that the Redistributables may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all lawes hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10 Attorney Fees

The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11 Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.
IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound hereby, have caused this Agreement to be executed by Licensees authorized representative installing the Licensed Software and accepting the terms hereof in connection therewith.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution in object code form only ("Redistributables") under this Agreement:

- The Licensed Software's essential and add-on libraries
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool ("Qt Assistant")
- The Licensed Software's internationalization tools ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's QML ("Qt Quick") launcher tool ("qmlscene" and "qmlviewer")
- The Licensed Software's installer framework

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to:

- The Licensed Software's source code and header files
- The Licensed Software's documentation
- The Licensed Software's documentation generation tool ("qdoc")
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
- The Licensed Software's generator (only in the case of Qt Jambi if applicable)
- The Licensed Software's parts of the IDE tool ("Qt Creator")
- The Licensed Software's Emulator
- Build scripts, recipes and other material for creating the
configuration of Licensed Software and/or 3rd party components, including the reference operating system configuration delivered in conjunction with the

The ISC License

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THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

NPM License Checker


*As of v17.0.0 the `failOn` and `onlyAllow` arguments take semicolons as delimeters instead of commas. Some license names contain commas and it messed with the parsing*

Ever needed to see all the license info for a module and its dependencies?

It's this easy:

```shell
npm install -g license-checker
```
mkdir foo

cd foo

npm install yui-lint
license-checker

You should see something like this:

```
cli@0.4.3
 repository: http://github.com/chriso/cli
 licenses: MIT

glob@3.1.14
 repository: https://github.com/isaacs/node-glob
 licenses: UNKNOWN

graceful-fs@1.1.14
 repository: https://github.com/isaacs/node-graceful-fs
 licenses: UNKNOWN

inherits@1.0.0
 repository: https://github.com/isaacs/inherits
 licenses: UNKNOWN

jshint@0.9.1
 licenses: MIT

lru-cache@1.0.6
 repository: https://github.com/isaacs/node-lru-cache
 licenses: MIT

lru-cache@2.0.4
 repository: https://github.com/isaacs/node-lru-cache
 licenses: MIT

minimatch@0.0.5
 repository: https://github.com/isaacs/minimatch
 licenses: MIT

minimatch@0.2.9
 repository: https://github.com/isaacs/minimatch
 licenses: MIT

sigmund@1.0.0
 repository: https://github.com/isaacs/sigmund
 licenses: UNKNOWN

yui-lint@0.1.1
 licenses: BSD
 repository: http://github.com/yui/yui-lint
```

An asterisk next to a license name means that it was deduced from an other file than package.json (README, LICENSE, COPYING, ...)

You could see something like this:

```
debug@2.0.0
    repository: https://github.com/visionmedia/debug
    licenses: MIT*

-----

**Options**

* `--production` only show production dependencies.
* `--development` only show development dependencies.
* `--start [path of the initial json to look for]`
* `--unknown` report guessed licenses as unknown licenses.
* `--onlyunknown` only list packages with unknown or guessed licenses.
* `--json` output in json format.
* `--csv` output in csv format.
* `--csvComponentPrefix` prefix column for component in csv format.
* `--out [filepath]` write the data to a specific file.
* `--customPath` to add a custom Format file in JSON
* `--exclude [list]` exclude modules which licenses are in the comma-separated list from the output
* `--relativeLicensePath` output the location of the license files as relative paths
* `--summary` output a summary of the license usage.
* `--failOn [list]` fail (exit with code 1) on the first occurrence of the licenses of the semicolon-separated list
* `--onlyAllow [list]` fail (exit with code 1) on the first occurrence of the licenses not in the semicolon-separated list
* `--packages [list]` restrict output to the packages (package@version) in the semicolon-seperated list
* `--excludePackages [list]` restrict output to the packages (package@version) not in the semicolon-seperated list
* `--excludePrivatePackages` restrict output to not include any package marked as private
* `--direct` look for direct dependencies only

**Exclusions**

A list of licenses is the simplest way to describe what you want to exclude.

You can use valid [SPDX identifiers](https://spdx.org/licenses/).
You can use valid SPDX expressions like `MIT OR X11`.
You can use non-valid SPDX identifiers, like `Public Domain`, since `npm` does support some license strings that are not SPDX identifiers.

**Examples**

```
license-checker --json > /path/to/licenses.json
license-checker --csv --out /path/to/licenses.csv
license-checker --unknown
license-checker --customPath customFormatExample.json
license-checker --exclude 'MIT, MIT OR X11, BSD, ISC'
license-checker --packages 'react@16.3.0;react-dom@16.3.0;lodash@4.3.1'
license-checker --excludePackages 'internal-1;internal-2'
```
Custom format

-------------

The `--customPath` option can be used with CSV to specify the columns. Note that the first column, `module_name`, will always be used.

When used with JSON format, it will add the specified items to the usual ones.

The available items are the following:
- name
- version
- description
- repository
- publisher
- email
- url
- licenses
- licenseFile
- licenseText
- licenseModified

You can also give default values for each item.
See an example in [customFormatExample.json](customFormatExample.json).

Requiring

---------

```js
var checker = require('license-checker');

checker.init({
    start: '/path/to/start/looking'
}, function(err, packages) {
    if (err) {
        //Handle error
    } else {
        //The sorted package data
        //as an Object
    }
});
```

Debugging

---------
license-checker uses [debug](https://www.npmjs.com/package/debug) for internal logging. There are two internal markers:

- `license-checker:error` for errors
- `license-checker:log` for non-errors

Set the `DEBUG` environment variable to one of these to see debug output:

```
$ export DEBUG=license-checker*; license-checker
```

How Licenses are Found
----------------------

We walk through the `node_modules` directory with the [`read-installed`](https://www.npmjs.org/package/read-installed) module. Once we gathered a list of modules we walk through them and look at all of their `package.json`'s. We try to identify the license with the [`spdx`](https://www.npmjs.com/package/spdx) module to see if it has a valid SPDX license attached. If that fails, we then look into the module for the following files: `LICENSE`, `LICENCE`, `COPYING`, & `README`.

If one of those files are found (in that order) we will attempt to parse the license data from it with a list of known license texts. This will be shown with the `*` next to the name of the license to show that we "guessed" at it.

The Mesa header files use the following licenses.

```
The default Mesa license is as follows:

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* Memory barrier utilities
*
* Author: Bjorn Roche, XO Audio, LLC
*
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* $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $  
* Portable Audio I/O Library
* Ring Buffer utility.
* 
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
* 
* Note that this is safe only for a single-thread reader and a
* single-thread writer.
* 
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Mesa 3-D graphics library
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#!/usr/bin/env node

/*
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http://yuilibrary.com/license/
*/

var checker = require('../lib/index');

var args = require('../lib/args').parse();
var mkdirp = require('mkdirp');
var path = require('path');
var chalk = require('chalk');
var fs = require('fs');

if (args.help) {
    console.error('license-checker@' + require('../package.json').version);
    var usage = [
        '',
        '   --production only show production dependencies.',
        '   --development only show development dependencies.',
        '   --unknown report guessed licenses as unknown licenses.',
        '   --start [path of the initial json to look for]',
        '   --onlyunknown only list packages with unknown or guessed licenses.',
        '   --json output in json format.',
        '   --csv output in csv format.',
        '   --csvComponentPrefix column prefix for components in csv file',
        '   --out [filepath] write the data to a specific file',
        '   --customPath to add a custom Format file in JSON',
        '   --exclude [list] exclude modules which licenses are in the comma-separated list from the output',
        '   --relativeLicensePath output the location of the license files as relative paths',
    ];
}
--summary output a summary of the license usage,
--failOn [list] fail (exit with code 1) on the first occurrence of the licenses of the semicolon-separated list',
--onlyAllow [list] fail (exit with code 1) on the first occurrence of the licenses not in the semicolon-seperated list',
--direct look for direct dependencies only',
--packages [list] restrict output to the packages (package@version) in the semicolon-seperated list',
--excludePackages [list] restrict output to the packages (package@version) not in the semicolon-seperated list',
--excludePrivatePackages restrict output to not include any package marked as private',
',
--version The current version',
--help The text you are reading right now :)'
''
']);
console.error(usage.join('u'), 'u');
process.exit(0);
}

if (args.version) {
  console.error(require('../package.json').version);
  process.exit(1);
}

if (args.failOn && args.onlyAllow) {
  console.error('--failOn and --onlyAllow can not be used at the same time. Choose one or the other.');
  process.exit(1);
} else {
  var argValue = args.failOn || args.onlyAllow;
  if (argValue && argValue.indexOf(',') >= 0) {
    var argName = args.failOn ? 'failOn' : 'onlyAllow';
    console.warn('Warning: As of v17 the --' + argName + ' argument takes semicolons as delimeters instead of commas (some license names can contain commas)');
  }
}

checker.init(args, function(err, json) {

  var formattedOutput = '';

  if (!err) {
    console.error('Found error);
    console.error(err);
  }

  if (shouldColorizeOutput(args)) {
    var keys = Object.keys(json);
    keys.forEach(function(key) {
      var keyParts = key.split('@');
```javascript
var colorizedKey = chalk.blue(keyParts[0]) + chalk.dim('@') + chalk.green(keyParts[1]);
json[colorizedKey] = json[key];
delete json[key];
});
}

if (args.json) {
  formattedOutput = JSON.stringify(json, null, 2) + '\n';
} else if (args.csv) {
  formattedOutput = checker.asCSV(json, args.customFormat, args.csvComponentPrefix);
} else if (args.markdown) {
  formattedOutput = checker.asMarkDown(json, args.customFormat) + '\n';
} else if (args.summary) {
  formattedOutput = checker.asSummary(json);
} else {
  formattedOutput = checker.asTree(json);
}

if (args.files) {
  checker.asFiles(json, args.files);
} else if (args.out) {
  var dir = path.dirname(args.out);
  mkdirp.sync(dir);
  fs.writeFileSync(args.out, formattedOutput, 'utf8');
} else {
  console.log(formattedOutput);
}

function shouldColorizeOutput(args) {
  return args.color && !args.out && !(args.csv || args.json || args.markdown);
}
```

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The Licensed Software may provide links to third party libraries or code (collectively "Third-Party Software") to implement various functions. Third-Party Software does not comprise part of the Licensed Software. In some cases, access to Third-Party Software may be included with the Licensed Software. Such Third-Party Software will be listed in the "../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to
applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE

The Licensed Software may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample" etc. ("Pre-Release Code").

Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee’s own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software, provided however that in the event Add-on Products are included and available as such Pre-Release Code, Licensee’s right to use such Add-on Products is nevertheless subject to and conditional upon conclusion of separate agreement with The Qt Company.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER

The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.

Except as set forth above, the Licensed Software is licensed to Licensee "as is" and Licensee's exclusive remedy and The Qt Company's entire liability for errors in the Licensed Software shall be limited, at The Qt Company's option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE’S REQUIREMENTS OR
THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY

7.1. Limitation of Liability

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY’S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES

Upon due payment of the agreed License Fees the Licensee will be eligible to receive Support and Updates and to use the Online Services during the License Term, provided, however, that in the event the License Term is longer than 36 months, the initial payment includes Support for only the first 12 months, unless the Parties specifically otherwise agree.

Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

From time to time The Qt Company may change the Support terms, provided that during the respective ongoing License Term the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.
9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1. License Fees

License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be.
The License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses
Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase. Unless specifically otherwise provided, any pricing terms referenced in this Agreement shall be valid for twelve (12) months from the date of this Agreement.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3. Distribution License Packs
Unless otherwise agreed, Distribution Licenses shall be purchased by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms
License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

10.5. Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and
other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping
Licensee shall at all times during the Term of this Agreement and for a period of seven (7) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, (iii) number of undistributed copies of Redistributables and corresponding number of unused Distribution Licenses remaining on Licensee's account, and (iv) any other information as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to pay The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company.
In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10% of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION
12.1. Agreement Term
This Agreement shall enter into force upon due acceptance by both Parties and remain in force for as long as there is any Development License(s) purchased under this Agreement in force (“Term”), unless and until terminated pursuant to the terms of this Section 12.

12.2. Termination and suspension of rights
Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within five (5) business days following The Qt Company's written notice thereof.

12.3. Mutual Right to Terminate
Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties' Rights and Duties upon Termination
Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software and distribution of the Redistributables under this Agreement.

Notwithstanding the above, in the event the Agreement expires or is terminated:
(i) as a result of The Qt Company choosing not to renew the Development License(s) as set forth in Section 3.1, then all valid licenses
possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section 10.2; or
(ii) for reason other than by The Qt Company pursuant to item (i) above or pursuant to Section 12.2, then the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension in case of bankruptcy
In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) pursuant to Section 3.1, assigned to party, who has assumed The Qt Company’s position as a legitimate licensor of Licensed Software under this Agreement, then all valid licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:
(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The
arbitration shall be administered by JAMS pursuant to JAMS’ Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment
Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations
Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company’s behalf shall be void as to The Qt Company.

14.3. Surviving Sections
Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12, 14, 13 and 14.

14.4. Entire Agreement
This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order accepted by The Qt Company constitute the complete
agreement between the Parties and supersedes all prior or contemporaneous
discussions, representations, and proposals, written or oral, with respect
to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any
Purchase Order, the terms of this Agreement will prevail over the terms of
the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails
over any click-to-accept or similar agreements the Designated Users may
need to accept online upon download of the Licensed Software, as may be
required by The Qt Company's applicable processes relating to Licensed
Software.

14.5. Modifications
No modification of this Agreement shall be effective unless contained in a
writing executed by an authorized representative of each Party. No term or
condition contained in Licensee's Purchase Order ("Deviating Terms") shall
apply unless The Qt Company has expressly agreed such Deviating Terms in
writing. Unless and to the extent expressly agreed by The Qt Company, any
such Deviating Terms shall be deemed void and with no legal effect. For
clarity, delivery of the Licensed Software following the receipt of the
Purchase Order including Deviating Terms shall not constitute acceptance of
such Deviating Terms."

14.6. Force Majeure
Except for the payment obligations hereunder, neither Party shall be liable
to the other for any delay or non-performance of its obligations hereunder
in the event and to the extent that such delay or non-performance is due to
an event of act of God, terrorist attack or other similar unforeseeable
catastrophic event that prevents either Party for fulfilling its
obligations under this Agreement and which such Party cannot avoid or
circumvent ("Force Majeure Event"). If the Force Majeure Event results in
a delay or non-performance of a Party for a period of three (3) months or
longer, then either Party shall have the right to terminate this Agreement
with immediate effect without any liability (except for the obligations of
payment arising prior to the event of Force Majeure) towards the other
Party.

14.7. Notices
Any notice given by one Party to the other shall be deemed properly given
and deemed received if specifically acknowledged by the receiving Party in
writing or when successfully delivered to the recipient by hand, fax, or
special courier during normal business hours on a business day to the
addresses specified for each Party on the signature page. Each
communication and document made or delivered by one Party to the other
Party pursuant to this Agreement shall be in the English language.
14.8. Export Control
Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License
There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11. Privacy
Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data may be collected from the Licensee or directly from the relevant individuals. The Parties acknowledge that with regard to such personal data processed hereunder, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability
If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

APPENDICES

The Agreement includes Appendix 1, and possibly one or more of the appendices 3-5, depending on the product(s) purchased by the Licensee, what is stated in the quote or invoice, and/or what is stated in the
Licensee's License Certificate.

APPENDIX 1

The modules and/or tools that are included in the respective product - Qt for Application Development (QtAD), Qt for Device Creation (QtDC), Qt for MCUs (QtMCU), Qt 3D Studio (Qt3DS) and Qt Design Studio (QtDS) - are marked with 'X' in the below table.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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APPENDIX 3: ADDITIONS TO LICENSED SOFTWARE
In addition to what is provided under the definition of the Licensed Software, Parties agree that Licensed Software shall also include the Add-On Products of The Qt Company, as mentioned in this Appendix, if included in the quote / invoice.

The Modules and/or Tools of the Licensed Software that are included with each Add-On Product respectively are marked with 'X' in the below table.

Parts of the respective Add-On Product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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All the above Redistributables are subject to applicable provisions and limitations including but not limited to what is defined in section 3 of the Agreement.

APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for companies with an annual revenue, including funding, equivalent to maximum of 250,000 USD (in applicable currency) during the latest full calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company ("Start-up Company").

Start-up Companies are qualified for a discounted License Fee for maximum of four (4) Development Licenses ("Start-up Development License") unless otherwise agreed between the parties.

Start-up Development License entitles the respective Designated User for Support only for installation related issues.

Upon expiry of the respective License Term, the Start-up Development Licenses shall be automatically extended, pursuant to Section 3.1 of the Agreement, for a Renewal Term either as new Start-up Development Licenses (if the Licensee still qualifies as a Start-up Company), or as normal Development Licenses (if the Licensee no longer qualifies as a Start-up Company).

APPENDIX 5: NON-COMMERCIAL USE
The provisions of this Appendix 5 are applicable for non-commercial use of the Licensed Software by the Licensee.
For the purpose of this Appendix 5, the following additional definitions (replacing the relevant definition of the Agreement, where applicable) shall be applicable:

"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee's software and/or hardware, and (ii) prototype versions of Applications or Devices.

"Designated User(s)" shall mean the employees and students of the Licensee.

"Licensee Products" shall mean Applications and/or Devices.

"Permitted Purpose" shall mean (i) Licensee's internal evaluation and testing of Licensed Software, (ii) building Demo Units as well as (iii) educational use.

"Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.

For the purpose of this Appendix 5, the following changes shall be agreed with respect to relevant Sections of the Agreement:

I. Recital (A) shall be replaced in its entirety to read as follows:
"(A) Licensee wishes to use the Licensed Software for the Permitted Purpose."

II. Section 3.1 shall be replaced in its entirety to read as follows:
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
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Hady Zalek <hady.zalek@gmail.com>
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Keir Mierle <mierle@gmail.com>
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Mikl Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@google.com>
Patrick Riley <pfr@google.com>
Peter Kaminski <piotrk@gmail.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
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2006-Jan-27

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## Change Log

### v25.0.1 (2019/01/10 19:29 +00:00)
- [f1c835b](https://github.com/davglass/license-checker/commit/f1c835b991b65dc928eafe64c29b73df9e703169) Updated readme with new args (@davglass)
- [ada667f](https://github.com/davglass/license-checker/commit/ada667f28e8ef4e96b5b6059f0e5541d05ca936c) changelog (@davglass)
- [7813f0d](https://github.com/davglass/license-checker/commit/7813f0d3b35f7cc4cd37d8e7b4670f9005fed06) contrib (@davglass)

### v25.0.0 (2019/01/10 15:09 +00:00)
- [cdb77d9](https://github.com/davglass/license-checker/commit/cdb77d9a2b36cd87503f32265a0ee388b25c24ae) 25.0.0 (@davglass)
- [b897345](https://github.com/davglass/license-checker/commit/b89734549b05f5e143083df6d3959d87eb2b8) [Fixes #136] Document --start option and add the depth option for looking into root dependencies or infinitely (@davglass)
- [#185](https://github.com/davglass/license-checker/pull/185) Merge pull request #185 from theboolean/exclude-packages-and-private (@theboolean)
- [#184](https://github.com/davglass/license-checker/pull/184) Merge pull request #184 from theboolean/docs/fix-typos (@theboolean)
- [987a60f](https://github.com/davglass/license-checker/commit/987a60fbb58052cf36d5a80e6252e81136bb1dd8) changes 24.1.0 (@davglass)

### v24.1.0 (2018/12/14 20:54 +00:00)
- [18ab8a1](https://github.com/davglass/license-checker/commit/18ab8a1e4b78d1354429ca4318c1df3de3e4cb1) 24.1.0 (@davglass)
- [1dca0f6](https://github.com/davglass/license-checker/commit/1dca0f616aebdef2d398c130a2a4f86c2b4e88c8) Changelog (@davglass)
- [#188](https://github.com/davglass/license-checker/pull/188) Fix for #153: remove deprecated package 'spdx' (#188) (@rogierschouten)
- [d1d34b1](https://github.com/davglass/license-checker/commit/d1d34b1a8894987807419c093c3ec10b4f06db3d) Fix typo in package.json description (@theboolean)
- [f5c9008](https://github.com/davglass/license-checker/commit/f5c9008a6d20b503e21c0d8130e526b56a5bfe8) Fix: Allow excluding packages and private packages together (@theboolean)
- [98c4dc6](https://github.com/davglass/license-checker/commit/98c4dc670fdebb6e58b62b38ebcb12302e5b1db5) changes (@davglass)

### v24.0.1 (2018/10/11 16:40 +00:00)
- [d72ae8](https://github.com/davglass/license-checker/commit/d72ae88cb80d8582e6d12c5e2664e9c19135709) 24.0.1 (@davglass)
- [9433e64](https://github.com/davglass/license-checker/commit/9433e640ea9f629aad5f00c224a9f61026b8116d) [Fixes #181] - Removed extra line break with --cvs (@davglass)
- [65baa28](https://github.com/davglass/license-checker/commit/65baa28f532f87eeb75a32578c7ac5837806d12f) contrib and changes (@davglass)

### v24.0.0 (2018/10/09 21:12 +00:00)
- [84d64a2](https://github.com/davglass/license-checker/commit/84d64a28fa971c3bf20b9e9de27cafbe6e8481b) 24.0.0 (@davglass)
- [#180](https://github.com/davglass/license-checker/pull/180) Feature: Exclude Private Packages (#180) (Jonny Reeves)
- [#179](https://github.com/davglass/license-checker/pull/179) Merge pull request #179 from jonny-improbable/fix/fix-strict-checks (@jonny-improbable)
- [179077d](https://github.com/davglass/license-checker/commit/179077d079acbcd0183aa6691cfe5c2ec0f93f07) Fixes 176, Packages are not ignored when using --onlyAllow and --excludePackages. (@jonny-improbable)
- [890ca17](https://github.com/davglass/license-checker/commit/890ca17d1799c43a6cb7cf962d69d1521dc9ac2) changelog (@davglass)

### v23.0.0 (2018/10/09 14:37 +00:00)
- [f243287](https://github.com/davglass/license-checker/commit/f243287fbce6da33838a226ddf8e412535390d4) 23.0.0 (@davglass)
- [#178](https://github.com/davglass/license-checker/pull/178) Merge pull request #178 from jonny-improbable/fix/filtering (@jonny-improbable)
- [179077d](https://github.com/davglass/license-checker/commit/179077d079acbcd0183aa6691cfe5c2ec0f93f07) Fixes #176, Packages are not ignored when using --onlyAllow and --excludePackages. (@jonny-improbable)
- [179077d](https://github.com/davglass/license-checker/commit/179077d079acbcd0183aa6691cfe5c2ec0f93f07) Improve --onlyAllow violation Error
- [ee723af](https://github.com/davglass/license-checker/commit/ee723af79889a4d98ed067494a58f6aa41a44ac7) changes (@davglass)

### v22.0.0 (2018/10/08 19:00 +00:00)
- [bd398c3](https://github.com/davglass/license-checker/commit/bd398c3bce0279699ec9aad1dc4b592f398a75766) 22.0.0 (@davglass)
- [#172](https://github.com/davglass/license-checker/pull/172) Merge pull request #172 from fzaninotto/exclude-packages (@fzaninotto)
- [014fd96](https://github.com/davglass/license-checker/commit/014fd9613fe5460e0b7a0fc118a659a337e25e2c) added changes (@davglass)

### v21.0.0 (2018/07/30 13:49 +00:00)
- [28dc521](https://github.com/davglass/license-checker/commit/28dc5218dec3340778bd801593275ad1b222e53f) 21.0.0 (@davglass)
- [05cb221](https://github.com/davglass/license-checker/commit/05cb221359de4f9e1039f586cd9e8f7cb9d6398) [Fixes #174] - Moved private and unknown detection above filtering (@davglass)
- [b1d5700](https://github.com/davglass/license-checker/commit/b1d57008236dfb90253bdac27763523b2e74ff) Add an excludePackages option (@fzaninotto)
- [231bd3f](https://github.com/davglass/license-checker/commit/231bd3f2412507be1d702ad100b23c1b1fe93602) updated readme (@davglass)
- [6c61a7b](https://github.com/davglass/license-checker/commit/6c61a7bd102466c702065d42706392c11717cc1d) changelog (@davglass)

### v20.2.0 (2018/07/30 13:49 +00:00)
- [169](https://github.com/davglass/license-checker/pull/169) Merge pull request #169 from codepunkt/restrict_packages (@codepunkt)
- [5e4b274](https://github.com/davglass/license-checker/commit/5e4b274e955485fb2aba37e65fee913b8042f38d) refactor: restore previous code style (@codepunkt)
- [0f53922](https://github.com/davglass/license-checker/commit/0f53922088be0b0dfd4f8db7ea884b53d0137e45) feat: allow restricting output to specified packages (@codepunkt)
- [5f63f87](https://github.com/davglass/license-checker/commit/5f63f8766a17e589b57db99bda4eb54d91b85b77) changes and contrib (@davglass)

### v20.1.0 (2018/06/07 14:33 +00:00)
- [970882a](https://github.com/davglass/license-checker/commit/970882a09b345c7f32496431e5ca4c069ad7e320) 20.1.0 (@davglass)
- [#165](https://github.com/davglass/license-checker/pull/165) Merge pull request #165 from santiagocanti/fix-exclude-not-adding-custom-licenses (@santiagocanti)
- [89e48a9](https://github.com/davglass/license-checker/commit/89e48a9d3c9f2a48f6ee0dc3563ce4b652e22) Fix exclude not including custom licenses (@santiagocanti)

### v20.0.0 (2018/05/17 14:14 +00:00)
- [0e89310](https://github.com/davglass/license-checker/commit/0e8931021df777cb401d9a332fa2a8c9a2c49eb2) 20.0.0 (@davglass)
- [c36a5c9](https://github.com/davglass/license-checker/commit/c36a5c99bb4f6881e64e19cad5090ba3c7ba67a4) changes (@davglass)
- [ccb66f3](https://github.com/davglass/license-checker/commit/ccb66f3410a4589e6f2b7cfc13aefb1446bab460) contributors (@davglass)
- [#156](https://github.com/davglass/license-checker/pull/156) Merge pull request #156 from zodiac403/z4/copyright (@zodiac403)
- [56414b4](https://github.com/davglass/license-checker/commit/56414b4a67cbb25bccc8eb8cc05b0ac712b677dc2) Add unit test for Copyright statement. (@zodiac403)
- [3eafe24](https://github.com/davglass/license-checker/commit/3eafe249ad662a7727a97472f7ad6c1b9a73ade) fixing test coverage with switch to nyc from istanbul (@davglass)

### v19.0.0 (2018/04/30 14:51 +00:00)
- [7e83a06](https://github.com/davglass/license-checker/commit/7e83a069d23104c3cd257eb64666704ecca465) 19.0.0 (@davglass)
- [e5eb49b](https://github.com/davglass/license-checker/commit/e5eb49bcb55446bce81f736f159d63908cd39ce9) upgrading packages (@davglass)
- [442ae6f](https://github.com/davglass/license-checker/commit/442ae69b5d44e47bf2e441c4e1f86d387e49c6) Changlog (@davglass)

### v18.1.0 (2018/04/30 14:16 +00:00)
- [82ec91b](https://github.com/davglass/license-checker/commit/82ec91bb02e6bf998164b62b4aa827198156ad4c) 18.1.0 (@davglass)
- [4b546d3](https://github.com/davglass/license-checker/commit/4b546d38ce91bcb8e2d1e7bc53e44635b0447fc2) contrib (@davglass)
- [#155](https://github.com/davglass/license-checker/pull/155) Merge pull request #155 from ktmouk/supress-path-property (@ktmouk)
- [#160](https://github.com/davglass/license-checker/pull/160) Merge pull request #160 from helio-frota/pr (@helio-frota)
- [8b068f2](https://github.com/davglass/license-checker/commit/8b068f25fe910d087c06e29312bc250b49aba4c7) fix: Updating debug dependency to fix a security warning (@helio-frota)
- [040dd94](https://github.com/davglass/license-checker/commit/040dd9468261966c5c40e4a418a9ba8f7163ca2) Copyright statement: Handle multi-line statements (@zodiac403)
- [0480750](https://github.com/davglass/license-checker/commit/04807506d61aa1d704e8b51da3a289baa025b510) Fix layout issue. (@zodiac403)
- [9cb45f2](https://github.com/davglass/license-checker/commit/9cb45f2b9ce2c1142e0d1f556f0f17d754737a4c) Link with customFormat (@zodiac403)
- [f83aaaee](https://github.com/davglass/license-checker/commit/f83aaaee85ad4cc2e9880802951dfabc86ed2d7f) Merge branch 'z4/copyright' of https://github.com/zodiac403/license-checker into z4/copyright (@zodiac403)
- [7536af9](https://github.com/davglass/license-checker/commit/7536af935d9107865f70e169ed82383f099607f) Trim output. (@zodiac403)
- [8716845](https://github.com/davglass/license-checker/commit/87168456cae35263882bd2b6dd6d0081f228b6b66) Suppress path property (@ktmouk)
- [be57ee8](https://github.com/davglass/license-checker/commit/be57ee8f76c8aada0d227913b7d012ac0d640) Add example for (c) statement. (@zodiac403)
- [fe17f7c](https://github.com/davglass/license-checker/commit/fe17f7c76dbdaee0cbf689a0cd260a746698f3281) Parse (c) statements from LICENSE file. (@zodiac403)
- [#149](https://github.com/davglass/license-checker/pull/149) Merge pull request #149 from honzajavorek/patch-1 (@honzajavorek)
- [955bbff6](https://github.com/davglass/license-checker/commit/955bbff6070ffcd9f0d01ef37bb84ffbac65e007b) remove the old status badge (@honzajavorek)

### v18.0.0 (2018/03/20 12:30 +00:00)
- [315de0b](https://github.com/davglass/license-checker/commit/315de0b1a881cf8737c3c0131c217c4820df13a8) 18.0.0 (@davglass)
- [76655d5](https://github.com/davglass/license-checker/commit/76655d59bad95c2e52724aaa3a0cf036f0e60bd6) changelog (@davglass)
- [c8aa823](https://github.com/davglass/license-checker/commit/c8aa82342b7a250d510582c8a03dd76af50bd9c) added contributors (@davglass)
- [#147](https://github.com/davglass/license-checker/pull/147) Merge pull request #147 from honzajavorek/honzajavorek/license-files (@honzajavorek)
- [#148](https://github.com/davglass/license-checker/pull/148) Merge pull request #148 from honzajavorek/honzajavorek/use-stderr (@honzajavorek)
- [#146](https://github.com/davglass/license-checker/pull/146) Merge pull request #146 from honzajavorek/honzajavorek/fix-e2e-test (@honzajavorek)
- [#145](https://github.com/davglass/license-checker/pull/145) Merge pull request #145 from honzajavorek/honzajavorek/drop-4-add-8 (@honzajavorek)
- [0105f7d](https://github.com/davglass/license-checker/commit/0105f7dcf01a67b8f7c34371d951a1d76b191d5ed) use stderr where applicable (@honzajavorek)
- [0ff8d91](https://github.com/davglass/license-checker/commit/0ff8d917c659446256074c0940aef3add84930233) add support for LICENSE-MIT and similar (@honzajavorek)
- [025589e](https://github.com/davglass/license-checker/commit/025589e62c0ba8221081b8b1799d561c3ff20500) isolate and test the license file detection (@honzajavorek)
- [0da0fe](https://github.com/davglass/license-checker/commit/0da0fe2ab28f1658e4ed504bb034fb1536b9ff8) add warning about commas and test it (@honzajavorek)
- [3db0b6f](https://github.com/davglass/license-checker/commit/3db0b6f05a68ccff4181503ca87edce4ef10cd7) fix e2e test (transition from comma delimiter to semicolon) (@honzajavorek)
### v17.0.0 (2018/03/19 13:26 +00:00)
- [cd5fdd8](https://github.com/davglass/license-checker/commit/cd5fdd8e94267d7d8f29e86dd9cbf8b6994c037f1) 17.0.0 (@davglass)
- [13c11ee](https://github.com/davglass/license-checker/commit/13c11eeea1b1a3e012de62536100fcee91c355c8b) updated readme and help text (@davglass)
- [#144](https://github.com/davglass/license-checker/pull/144) Merge pull request #144 from creising/parser-fixes (@creising)
- [d2ab8df](https://github.com/davglass/license-checker/commit/d2ab8df30bc3e6b38b321a1e12a70cf477a69eb0) added support for lic with commas and spaces (@creising)
- [2075208](https://github.com/davglass/license-checker/commit/20752083c6029823fb389a30a1ed4d7d90fa9297) contrib and changelog (@davglass)
- [6c5274c](https://github.com/davglass/license-checker/commit/6c5274c6064d318844cf36185dea395e0893ff08) [fixes #132] - Fixed issue with asFiles and path issues (@davglass)
- [a46c448](https://github.com/davglass/license-checker/commit/a46c4483f8723c3db9498a65b7ae3dc6d8164de0a) 16.0.0 (@davglass)
- [38d63e2](https://github.com/davglass/license-checker/commit/38d63e2c2e23f6c11012fb69b1470b2ba06d5554) [fixes #128] - Added --onlyAllow option (@davglass)

### v16.0.0 (2018/01/18 15:02 +00:00)
- [#131](https://github.com/davglass/license-checker/pull/131) Merge pull request #131 from mischah/patch-1 (@mischah)
- [e341d17](https://github.com/davglass/license-checker/commit/e341d1701092be87309ec4b5f1fa6eb23f7e9a589) Fix typo in Readme (@mischah)
- [cc38a20](https://github.com/davglass/license-checker/commit/cc38a2047bf41b6fe25266114a13a9bf54133e04) updated license text (@davglass)

### v15.0.0 (2017/10/19 14:24 +00:00)
- [a9bd001](https://github.com/davglass/license-checker/commit/a9bd001b649bfa186b6ae5598bb8c67ff56383599) 15.0.0 (@davglass)
- [db621f8](https://github.com/davglass/license-checker/commit/db621fa6beef870699c33be484bf49816ab7866) changelog (@davglass)
- [#124](https://github.com/davglass/license-checker/pull/124) Merge pull request #124 from neverendingqs/app/stricterguesses (@neverendingqs)
- [#126](https://github.com/davglass/license-checker/pull/126) app - output now includes path to dependency. (#126) (@neverendingqs)
- [9f68b29](https://github.com/davglass/license-checker/commit/9f68b29bfa73278cdab92e221be6ccbab191932) app - strengthening license guessing; resolves #123. (@neverendingqs)
- [3061c87](https://github.com/davglass/license-checker/commit/3061c87363f3416d86ca6c2ba7b2bfa77def0e73) changes (@davglass)

### v14.0.0 (2017/08/28 13:22 +00:00)
- [b2a4403](https://github.com/davglass/license-checker/commit/b2a440309c1537c52e5c5a2106f11e72d5b784ec) 14.0.0 (@davglass)
- [#122](https://github.com/davglass/license-checker/pull/122) Added --failOn [list] mode (#122) (@tobilg)

### v13.1.0 (2017/08/25 15:00 +00:00)
- [ee25265](https://github.com/davglass/license-checker/commit/ee25265f92fe0d3b603da6b8e88d175e0d1f2fa5) 13.1.0 (@davglass)
- [5bb9a17](https://github.com/davglass/license-checker/commit/5bb9a17f89d7e180b3a9d929ebc073135262bd2f) changes (@davglass)
- [b1e0392](https://github.com/davglass/license-checker/commit/b1e0392afa4b511b7c532125c3d165a82d3d4e3) added contrib (@davglass)
- [#121](https://github.com/davglass/license-checker/pull/121) Add `--summary` mode to show a summary with counts of the used licenses (#121) (@tobilg)
- [#119](https://github.com/davglass/license-checker/pull/119) Fix minor spelling mistakes (#119) (@tobiasbueschel)
- [#118](https://github.com/davglass/license-checker/pull/118) Minor readme text improvements (#118) (@peteruithoven)
- [d2bc5ea](https://github.com/davglass/license-checker/commit/d2bc5ea91ab50bece91d5f0f50955fe9a6ac59) added license parsing info to README (@davglass)
- [3e9d320](https://github.com/davglass/license-checker/commit/3e9d320acb2e9f14297d6a4355680f34a9b0609d) changes (@davglass)

### v13.0.3 (2017/08/04 17:15 +00:00)
- [2caf76b](https://github.com/davglass/license-checker/commit/2caf76be7f2849e153ee28410f3b7a41df3283b5) 13.0.3 (@davglass)
- [faddc8](https://github.com/davglass/license-checker/commit/faddc895ef9e6f182e2283c5605a8c1d8fa8a25) [fixes #117] fixed minor URL parsing (@davglass)
- [e58a868](https://github.com/davglass/license-checker/commit/e58a868268aefd97d735b364bd87d03140d76482) changes (@davglass)

### v13.0.2 (2017/07/18 16:24 +00:00)
- [2c712b7](https://github.com/davglass/license-checker/commit/2c712b7c7e6e6e916d60f3ef3125f7f019c46d59) 13.0.2 (@davglass)
- [ef812c1](https://github.com/davglass/license-checker/commit/ef812c1168901d08b97db450a64ca03bb7062ad) [fixes #114] - Custom URL/File parsing skipped if file found on disk (@davglass)

### v13.0.1 (2017/07/17 12:48 +00:00)
- [a1bf8f1](https://github.com/davglass/license-checker/commit/a1bf8f152b100d81b44757b3b7e141df6a971c44) 13.0.1 (@davglass)
- [e6d0c89](https://github.com/davglass/license-checker/commit/e6d0c893b8a86e12493f7a5c22fd74ef26267994) contrib & changes (@davglass)
- [#113](https://github.com/davglass/license-checker/pull/113) Use LICENSE file in preference to README (#113) (@ibeucaly)
- [6b7f79f](https://github.com/davglass/license-checker/commit/6b7f79f654e21903ea37e4391fba3601ece32e90) changes (@davglass)

### v13.0.0 (2017/07/14 12:49 +00:00)
- [dd9e880](https://github.com/davglass/license-checker/commit/dd9e880abd234d683d8c1e57e7af8899e9156de4)
13.0.0 (@davglass)
- [051b20b](https://github.com/davglass/license-checker/commit/051b20b0c4b35f223f724705a0025dafc809373f) cleaned up some tests (@davglass)
- [#110](https://github.com/davglass/license-checker/pull/110) FEATURE: Recognise some custom licenses by file or url (#110) (@dancrumb)
- [#111](https://github.com/davglass/license-checker/pull/111) Resolves #60 (#111) Adding support for GPL and LGPL (@dancrumb)
- [#109](https://github.com/davglass/license-checker/pull/109) FEATURE: Improve license exclusion (#109) (@dancrumb)
- [#108](https://github.com/davglass/license-checker/pull/108) FEATURE: Detect private modules and report them as UNLICENSED (#108) (@dancrumb)

### v12.1.0 (2017/07/12 16:48 +00:00)
- [dc944e5](https://github.com/davglass/license-checker/commit/dc944e54d55d77b0ef6b6321d9abee847662cc8) 12.1.0 (@davglass)
- [d415c58](https://github.com/davglass/license-checker/commit/d415c580b04bc5eefa592dc9f9a0a31b244c1bd3) updated contrib and changes (@davglass)
- [#107](https://github.com/davglass/license-checker/pull/107) Merge pull request #107 from dancrumb/feature/support-for-public-domain-licenses (@dancrumb)
- [0c55770](https://github.com/davglass/license-checker/commit/0c55770294167161c48b79cc82a15a6545454a87) FEATURE: Add support for Public Domain licenses (@dancrumb)

### v12.0.0 (2017/07/05 13:33 +00:00)
- [8b74fa1](https://github.com/davglass/license-checker/commit/8b74fa1fc3b5ed0d217aa3ce86f4662eb024621) 12.0.0 (@davglass)
- [4f3367c](https://github.com/davglass/license-checker/commit/4f3367c2bf2e9713af6cccd11341ff4fa70ed400) changes & contrib (@davglass)
- [#106](https://github.com/davglass/license-checker/pull/106) Merge pull request #106 from helio-frota/licensefile-readme (@helio-frota)
- [a229507](https://github.com/davglass/license-checker/commit/a2295073d0178dca1b88e85ea8f52c21d35e52fc) src: the README is added as licenseFile (@helio-frota)
- [b59d90d](https://github.com/davglass/license-checker/commit/b59d90d8705f6f728c817b89936f95097d26857b) changes & contrib (@davglass)

### v11.0.0 (2017/05/30 13:33 +00:00)
- [258df10](https://github.com/davglass/license-checker/commit/258df102da484943088da8e0b6160b80c0e703cd) 11.0.0 (@davglass)
- [#102](https://github.com/davglass/license-checker/pull/102) Merge pull request #102 from xswordsx/multiple-licenses (@xswordsx)
- [c5c8b0f](https://github.com/davglass/license-checker/commit/c5c8b0f408f2a26259a7b1109f7cc135ed5bf9e4) Check for SPDX-compatible licenses (@xswordsx)

### v10.1.0 (2017/05/25 16:16 +00:00)
- [b52a16d](https://github.com/davglass/license-checker/commit/b52a16d0ba414e7287f82325dd65619cd76afdd1) 10.1.0 (@davglass)
- [f911a99](https://github.com/davglass/license-checker/commit/f911a9919033254945ecbbf69362cb171436688e) contrib & changes (@davglass)
- [#100](https://github.com/davglass/license-checker/pull/100) Suppress JSON properties with custom format
- [ed5b3ab](https://github.com/davglass/license-checker/commit/ed5b3ab50825f0be032958f8233dd3000ee98e85) changelog (@davglass)

### v10.0.0 (2017/05/17 13:51 +00:00)
- [b2c2283](https://github.com/davglass/license-checker/commit/b2c2283cf5a937e64a07ab200ec2379e481903b6) 10.0.0 (@davglass)
- [a0406ac](https://github.com/davglass/license-checker/commit/a0406ac2c7a0b1037ca31b47e36d316b9c088938) [fixes #96] - do not replace newline, etc in licenses for exporting to json/markdown (@davglass)
- [98a03fa](https://github.com/davglass/license-checker/commit/98a03fa700ef6d0388c2f1904ea5cf17c82a10a) [fixes #97] - Added a newline to the output file (@davglass)
- [#98](https://github.com/davglass/license-checker/pull/98) Merge pull request #98 from davglass/eslint (@davglass)
- [10fe441](https://github.com/davglass/license-checker/commit/10fe441a2e70e549e57f7da99d2287fc55355500) moved to eslint (@davglass)
- [f82b535](https://github.com/davglass/license-checker/commit/f82b535d3b7f152fa00bb4680e94af18d1c1421d) changelog (@davglass)

### v9.0.3 (2017/04/10 13:42 +00:00)
- [a0fd60f](https://github.com/davglass/license-checker/commit/a0fd60f972b7c84a32117b3dfc1f95bfa2282f7) 9.0.3 (@davglass)
- [#95](https://github.com/davglass/license-checker/pull/95) Merge pull request #95 from abtris/prefix-component (@abtris)
- [3b80272](https://github.com/davglass/license-checker/commit/3b80272a217687c2f0cd7a0c1e98775064d820ff) test: add test for csvComponentPrefix (@abtris)
- [d593554](https://github.com/davglass/license-checker/commit/d593554c1a6b4f7e004e4a23fca88cb7294f8351) feat: add support for csvComponentPrefix (@abtris)
- [5b2eea1](https://github.com/davglass/license-checker/commit/5b2eea12d8c54068a01a2cf1fd9bdec8c1f0fa2) added contrib (@davglass)

### v9.0.2 (2017/04/05 14:55 +00:00)
- [f24833b](https://github.com/davglass/license-checker/commit/f24833bcee846f608ec3d8c327d335da56c42b895) 9.0.2 (@davglass)
- [#94](https://github.com/davglass/license-checker/pull/94) Merge pull request #94 from timbru31/fix-comma-exclude (@timbru31)
- [2d08a77](https://github.com/davglass/license-checker/commit/2d08a770303627ab03ac12358dd524c0be47eee) contrib & changelog (@davglass)

### v9.0.1 (2017/04/05 13:09 +00:00)
- [9f1a1f3](https://github.com/davglass/license-checker/commit/9f1a1f32194a9bb312858f624e303af1ad4f61ca) 9.0.1 (@davglass)
- [c99f612](https://github.com/davglass/license-checker/commit/c99f612fee22d9eb03db0ad41e7918fba6e8ed9) added test for licenseText (@davglass)
- [#93](https://github.com/davglass/license-checker/pull/93) Merge pull request #93 from abtris/licenseText-just-in-customFormat (@abtris)
- [8d7f2b2](https://github.com/davglass/license-checker/commit/8d7f2b2f85fc585d8e75ab1459e0b0ce4f3993ba4) fix: allow escaped commas in exclude string (@timbru31)
- [da4d73c](https://github.com/davglass/license-checker/commit/da4d73c0f6b22f00d0d9173d3263d6667f7b7f) added contrib (@davglass)
test: fix test, remove check from non custom format (@abtris)
- [dcd3b59](https://github.com/davglass/license-checker/commit/dcd3b59bb9457df354fa3095189235b6e030df1a) feat: add licenseText only for customFormat
- [4e02eca](https://github.com/davglass/license-checker/commit/4e02eca6e8bd332ff6d90e5039c9cb50df1bf3) updated contribs and changelog (@davglass)

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### v9.0.0 (2017/04/04 12:26 +00:00)
- [267c80e](https://github.com/davglass/license-checker/commit/267c80efac89e7f70c71a128f12b3dc8e6d58dd) 9.0.0 (@davglass)
- [057af47](https://github.com/davglass/license-checker/commit/057af47bc52ac526f646ba21496f338689801809) added licenseFile assertion to tests (@davglass)
- [#92](https://github.com/davglass/license-checker/pull/92) Merge pull request #92 from abtris/includeFileContent (@abtris)
- [1cda118](https://github.com/davglass/license-checker/commit/1cda118e1aa18cc391ba2765dcaae89172943a0f) fix: replace problematics chars for easy import to Excel (@abtris)
- [dd6ecab](https://github.com/davglass/license-checker/commit/dd6ecab1a7b1354c4d1d01049f158db6e05e63) feat: add licenseText (@abtris)
- [6395498](https://github.com/davglass/license-checker/commit/639549890c54a12043244579ad0c0d5972309fb2) changes and contrib (@davglass)
```

### v8.0.4 (2017/02/15 16:21 +00:00)
- [28d379a](https://github.com/davglass/license-checker/commit/28d379aca51da7a47af324bc6feb63736ea02295) 8.0.4 (@davglass)
- [#89](https://github.com/davglass/license-checker/pull/89) Merge pull request #89 from Pawamoy/master (@Pawamoy)
- [#90](https://github.com/davglass/license-checker/pull/90) Merge pull request #90 from drewfish/bsd-source-code (@drewfish)
- [b704bc1](https://github.com/davglass/license-checker/commit/b704bc18a43de246302b8f6933f8fe5f96ee3a6) guess BSD-Source-Code license (@drewfish)
- [8d31eab](https://github.com/davglass/license-checker/commit/8d31eabf6b671d32e6f3e63215d6530d7f4acc59) Add docs about customFormat option (@pawamoy)
- [2529d31](https://github.com/davglass/license-checker/commit/2529d3118dafa53f1e010566e99f5c542cb8d63e) changes (@davglass)

### v8.0.3 (2016/11/10 17:04 +00:00)
- [66fd7b5](https://github.com/davglass/license-checker/commit/66fd7b5ad5577cc2c85668a7c6607365c86a2c85) 8.0.3 (@davglass)
- [#87](https://github.com/davglass/license-checker/pull/87) Merge pull request #87 from drewfish/guess-cc0 (@drewfish)
- [688bbd3](https://github.com/davglass/license-checker/commit/688bbd38fd5148f99c5263f4e0506e04d5e3f8a0) guess CC0-1.0, upgraded jshint (@drewfish)

### v8.0.2 (2016/11/09 21:57 +00:00)
- [0bdeedd8](https://github.com/davglass/license-checker/commit/0bdeedd8cb990e1f5ffacde1c12cc708185a5b866) 8.0.2 (@davglass)
- [ef67bb4](https://github.com/davglass/license-checker/commit/ef67bb454373352343faa49d4dc978a295bd1544) updated semver (@davglass)
- [14b5c85](https://github.com/davglass/license-checker/commit/14b5c8551cceb5c5ce8a76fb5367857e891d013)
Changelog (@davglass)

### v8.0.1 (2016/11/09 21:51 +00:00)
- [594871d](https://github.com/davglass/license-checker/commit/594871d6197a030121f940500495e6ca7d82f02c) 8.0.1 (@davglass)
- [c243663](https://github.com/davglass/license-checker/commit/c243663b0ab8a0126251292a57b2c47369a51efb) added contrib (@davglass)
- [#86](https://github.com/davglass/license-checker/pull/86) Merge pull request #86 from drewfish/copying (@drewfish)
- [380aa26](https://github.com/davglass/license-checker/commit/380aa26799cb527739907484e69c6dae26d5f17a) also support COPYING file (@drewfish)
- [329c367](https://github.com/davglass/license-checker/commit/329c3676d0cd5c5947a53fd205ff23b767b7f882) handling undefined@undefined error better (@davglass)
- [1f93a07](https://github.com/davglass/license-checker/commit/1f93a072632aad0660b63f61c56c3bd2fe109474) changelog (@davglass)

### v8.0.0 (2016/09/09 13:23 +00:00)
- [44c2c48](https://github.com/davglass/license-checker/commit/44c2c48ae177915523fd89a74474fe09534088b) 8.0.0 (@davglass)
- [b5f5c6a](https://github.com/davglass/license-checker/commit/b5f5c6ae03a860c52fdd308f1721744a4bbaa99) [fixes #78] - include notice file if found (@davglass)
- [dfcbd6f](https://github.com/davglass/license-checker/commit/dfcbd6f49f66ad7e065f17e45c8d08ba8fe62a) changelog (@davglass)
- [99976d0](https://github.com/davglass/license-checker/commit/99976d07980e241384be10341d0305d086e9cea5) 7.1.1 (@davglass)
- [ef857b7](https://github.com/davglass/license-checker/commit/ef857b7e9bab706299a1cc565ec5d144893af424) [fixes #77] fixed readme file name parsing, made it more strict (@davglass)

### v7.1.1 (2016/09/07 19:16 +00:00)
- [28be6d4](https://github.com/davglass/license-checker/commit/28be6d4128a3625cf8ed37ba149e79ed3a41b4fa) changelog (@davglass)

### v7.1.0 (2016/09/07 15:12 +00:00)
- [9f8b7f1](https://github.com/davglass/license-checker/commit/9f8b7f1c367df86342ee5f5cc97171f97281aa) 7.1.0 (@davglass)
- [60fcea1a](https://github.com/davglass/license-checker/commit/60fcea1a24a4ef5add98a08ddc8a85870db3f4a6) Fixed order of operations for parsing (@davglass)
- [9d4db11](https://github.com/davglass/license-checker/commit/9d4db112794b8110a1bfe0abfe2d3e63bc812299) Updated changelog (@davglass)

### v7.0.0 (2016/09/06 14:50 +00:00)
- [a3a08da](https://github.com/davglass/license-checker/commit/a3a08da70b680d724045f655e107f36b16b45fe) 7.0.0 (@davglass)
- [b993399](https://github.com/davglass/license-checker/commit/b9933994472162cc9c4292c42f2900e17a5167f) added contrib (@davglass)
- [d783029](https://github.com/davglass/license-checker/commit/d7830297b053496e45b7145b3c6a5809ac8ab1d1) Fixes #76 - If readme data not found, look for it on disk (@davglass)
- [#75](https://github.com/davglass/license-checker/pull/75) Merge pull request #75 from revov/master (@revov)
- [6204a24](https://github.com/davglass/license-checker/commit/6204a244ee71ae0329b4f2c1ca6cf37713741f32) Fix incorrect example in README (@revov)
- [90e24ac](https://github.com/davglass/license-checker/commit/90e24ac9ad20591d5ac166cc2974034fb997b30a) Added changelog (@davglass)
- [dd768c6](https://github.com/davglass/license-checker/commit/dd768c6c86c39b596881a2eeca582ad4bb818679) Added contributors (@davglass)

### v6.0.0 (2016/08/26 19:46 +00:00)
- [4bca140](https://github.com/davglass/license-checker/commit/4bca140db752b7b98ad1c261e5ee965d84995741) 6.0.0 (@davglass)
- [889ff17](https://github.com/davglass/license-checker/commit/889ff171ae801a21808f4c9100ca99a528a264d81) updating tests (@davglass)
- [ed18801](https://github.com/davglass/license-checker/commit/ed1880103c14a4f4db0d32dafa12025bf32b7c6) Merge branch 'nodeback' of git://github.com/bengl/license-checker into bengl-nodeback (@davglass)
- [34bb266](https://github.com/davglass/license-checker/commit/34bb26677cd0e25500a545df4e8afef2168cc7) dropping node 0.10 and adding node 6.0 to travis (@davglass)
- [1d30667](https://github.com/davglass/license-checker/commit/1d306674a77face2cad31f2bd76d7584c7922c6) updating tests (@davglass)
- [65d7c73](https://github.com/davglass/license-checker/commit/65d7c7396711003f71ae24a4a5391bd48046) Cleared up some code (@davglass)
- [753998](https://github.com/davglass/license-checker/commit/753998a06cb5fd9f6f430b3588a3b3c81339) Merge branch 'master' of git://github.com/amittkSharma/license-checker into amittkSharma-master (@davglass)
- [28e4462](https://github.com/davglass/license-checker/commit/28e4462543724685080c1623dc2db57cabb1c30) Added tests and cleaned up linting (@davglass)
- [153857a](https://github.com/davglass/license-checker/commit/153857a251a97d14883f647957944b2980b5aa) Publisher Information incorporated.
- [1265cb3](https://github.com/davglass/license-checker/commit/1265cb38d186ab1609dbdafa124f23718aa15846) Added ability to output individual license files (@aweber1)
- [49e11d0](https://github.com/davglass/license-checker/commit/49e11d049645d6f57ef6d3c778a5f4e13a888) fix tests (@bengl)
- [26f6cf6](https://github.com/davglass/license-checker/commit/26f6cf6343c3729a18f9c0c137608b3d5e4fa) use nodeback/errback (@bengl)

### v5.1.2 (2016/05/04 18:32 +00:00)
- [7101c77](https://github.com/davglass/license-checker/commit/7101c7767ad134fe01f02c98e7df2a4080e311) 5.1.2 (@davglass)
- [#67](https://github.com/davglass/license-checker/pull/67) Merge pull request #67 from graingert/patch-2 (@graingert)
- [a6ee290](https://github.com/davglass/license-checker/commit/a6ee290eb7fced220dce854f8f0ec74fde3a2) Upgrade read-installed (@graingert)
- [42e29bc6](https://github.com/davglass/license-checker/commit/42e29bc637940959121842762d74921bcece5e8d93) migrating tests from vows to mocha (@davglass)

### v5.1.1 (2016/04/14 13:20 +00:00)
- [6ae0334](https://github.com/davglass/license-checker/commit/6ae0334ca8e5835ac732028afdb664a381cfc4) 5.1.1 (@davglass)
- [0720a46](https://github.com/davglass/license-checker/commit/0720a46569f3e12eb398165526944f307e08aad6) Fixes #64 - Turn off color for --json/markdown/csv options (@davglass)
### v5.1.0 (2016/03/09 15:50 +00:00)
- [86772d2](https://github.com/davglass/license-checker/commit/86772d202b63d4a4c6729b9a774193ca6ef5cb3f) 5.1.0 (@davglass)
- [d61](https://github.com/davglass/license-checker/pull/61) Merge pull request #61 from sgdck/master (@sgdck)
- [6547ac1](https://github.com/davglass/license-checker/commit/6547ac1ded58560c7c4abdfc68fa69d17b81fe1e) Removed obsolete [key].name assignment from tests (@sgdck)
- [00b18a6](https://github.com/davglass/license-checker/commit/00b18a6012387e1a4a8284c07bf2d08740e0dd) Added a --relativeLicensePath option to display the license file relatively to the current path. (@sgdck)
- [629da20](https://github.com/davglass/license-checker/commit/629da201b0d1170057fd9e0f5efc9239d2f1bda) Added latest contributors (@davglass)

### v5.0.1 (2016/02/08 15:57 +00:00)
- [33731fc](https://github.com/davglass/license-checker/commit/33731fca482936a7a18fffe3fca2f3c4d3e3a625) 5.0.1 (@davglass)
- [fe06eae](https://github.com/davglass/license-checker/commit/fe06eaf8844d050ad0f80d576a221d6d05131de) Fixed replace (@davglass)
- [997914f](https://github.com/davglass/license-checker/commit/997914fd6f90340524d9b549eb156ae8ef7c) fix git+https URLs (@graingert)
- [#57](https://github.com/davglass/license-checker/pull/57) Merge pull request #57 from Damien-Larmine/doc-license-asterisk (@Damien-Larmine)
- [2adff2d](https://github.com/davglass/license-checker/commit/2adff2da98a5af79479a162e4998eb5892ab31c3) Explicit the asterisk in license report (@Damien-Larmine)
- [b2fc9cf](https://github.com/davglass/license-checker/commit/b2fc9cf2a8eaa008c7593037d046f245a7ce7f25) 5.0.0 (@davglass)
- [7f71c53](https://github.com/davglass/license-checker/commit/7f71c53833cf1318ffe84215fc1291f9ce4fbd5) updated contributors (@davglass)

### v5.0.0 (2016/02/22 15:31 +00:00)
- [#55](https://github.com/davglass/license-checker/pull/55) Merge pull request #55 from davglass/devflag (@davglass)
- [ff1d8f2](https://github.com/davglass/license-checker/commit/ff1d8f20d5d7248a4f61e2fc9279fdfe91a6ec6) supporting --production and --development flags (@davglass)
- [53](https://github.com/davglass/license-checker/pull/53) Merge pull request #53 from swashcap/enhancement/#46-verbose-output (@swashcap)
- [54](https://github.com/davglass/license-checker/pull/54) Merge pull request #54 from davglass/travis-updates (@davglass)
- [2c80d9d](https://github.com/davglass/license-checker/commit/2c80d9d2d055e14256096a91e23f22) fixing tests in other node versions (@davglass)
- [78820ac](https://github.com/davglass/license-checker/commit/78820ac33ab8aef7a5480705c8b2848e) travis config updates (@davglass)
- [94263b](https://github.com/davglass/license-checker/commit/94263b203046e2f53d64997b0261498010eb38d) Update documentation for debug use. (@swashcap)
- [429e44d](https://github.com/davglass/license-checker/commit/429e44d697527221ef22bb03af9d67820015446f) Change `console.error` call to use debug module. (@swashcap)
- [7312daf](https://github.com/davglass/license-checker/commit/7312daf7af195a19d1b1f290fae15963fbb2ab4) Add debug to project. (@swashcap)
### v4.2.0 (2015/10/20 13:44 +00:00)
- [3583d92](https://github.com/davglass/license-checker/commit/3583d925e96c9f63b3bb0110b11e8448aed0e7) 4.2.0 (@davglass)
- [981eeeda](https://github.com/davglass/license-checker/commit/981eeeda898084dea88d54ea29c5bda93c5313fb6) Fixes #49: Default to unknown if licenses null and added ISC support (@davglass)

### v4.1.2 (2015/09/29 13:46 +00:00)
- [ba946dd](https://github.com/davglass/license-checker/commit/ba946dd1065e762c36b27dcecd9bb7389ad18d4) 4.1.2 (@davglass)
- [#48](https://github.com/davglass/license-checker/pull/48) Merge pull request #48 from CantemoInternal/master (@CantemoInternal)
- [e314a6d](https://github.com/davglass/license-checker/commit/e314a6d1f505d19478c33871640a763fabff6abd) Fix json, csv and markdown output for license-checker (@mattiasa)

### v4.1.1 (2015/09/12 14:39 +00:00)
- [c918314](https://github.com/davglass/license-checker/commit/c918314bfc687b6471d2d88bb5857dd1caac1393) 4.1.1 (@davglass)
- [#47](https://github.com/davglass/license-checker/pull/47) Merge pull request #47 from tmpvar/ensure-bin-runs (@tmpvar)
- [a842eca](https://github.com/davglass/license-checker/commit/a842eca4f008c07df3039dcaac6d41d7273625) add missing ) (@tmpvar)
- [1d513bb](https://github.com/davglass/license-checker/commit/1d513bb673d726f34286061446f965e46d96170e) ensure bin/license-checker works at a high-level (@tmpvar)

### v4.1.0 (2015/09/09 14:52 +00:00)
- [a4bb437](https://github.com/davglass/license-checker/commit/a4bb437ffa806c0832f877da2de7a107863d0a1f) 4.1.0 (@davglass)
- [ddd317a](https://github.com/davglass/license-checker/commit/ddd317a5a09344f0021812b8dee2f39bbb0f7a0) fixed all of the windows line endings (@davglass)
- [11e6487](https://github.com/davglass/license-checker/commit/11e64870484435e1e6f8efb9b0f13e6b2f737a6b) Fix issues caused by merge (@ptsusch)
- [313a7ed](https://github.com/davglass/license-checker/commit/313a7edc3dbd850e43ba8da893063e89326bc) Merge remote-tracking branch 'remotes/upstream/master' into ft_custom_format (@ptsusch)
- [1f5e326](https://github.com/davglass/license-checker/commit/1f5e326d6ca91fc8a39eb9e02efe3ea9fd82a82) added contributors to package.json (@davglass)
- [#45](https://github.com/davglass/license-checker/pull/45) Merge pull request #45 from hufsm/ft_error_handling (@hufsm)
- [c806034](https://github.com/davglass/license-checker/commit/c806034ab6feaeccf297d0c23af536b290ba8c81) Remove unused var statement (@ptsusch)
- [778b1fa](https://github.com/davglass/license-checker/commit/778b1fa1a9c1be0c816545165020522d2fb17ef) More tests to fulfill the required % (@ptsusch)
- [22257d9](https://github.com/davglass/license-checker/commit/22257d95490765db816578cc48c29b62699f1aa) Add tests for licenses (WTFPL) (@ptsusch)
- [0fde7561](https://github.com/davglass/license-checker/commit/0fde75611a73970fe9e9e0aah2d4bdee5250435b2) Remove unused filter option (never used) (@ptsusch)
- [83ca10](https://github.com/davglass/license-checker/commit/83ca10493a5a05fba6e0e80b5c03f9cd4f65d6) Change license shortcut for WTFPL (@ptsusch)
- [3e348db](https://github.com/davglass/license-checker/commit/3e348d0f8eeb7bd356ebef3cd34e69329db8c81)
More tests for the custom formatter (@ptusch)
- [96c2d6f](https://github.com/davglass/license-checker/commit/96c2d6f24c509df2bf3f6bd8b83a613f8ead9e7) Add tests for customFormatter (@ptusch)
- [c9948c4](https://github.com/davglass/license-checker/commit/c9948c4b7b2ccedd053ba63f4fd2a6a6d0a46493) Add test configs (@ptusch)
- [4b2dea0](https://github.com/davglass/license-checker/commit/4b2dea0c124f66a63ab2d21962525e3b5a6570) Fix merge issues - semicolon slipped through (@ptusch)
- [cc7662a](https://github.com/davglass/license-checker/commit/cc7662a46719c97745410e3ac2b782f937dc54ef) Merge branch 'master' into ft_error_handling (@ptusch)
- [04a2294](https://github.com/davglass/license-checker/commit/04a2294b82a8227c5b8d7f673cbe7cf62af533) Add additional test (@ptusch)
- [52fa91c](https://github.com/davglass/license-checker/commit/52fa91c56b3c45736ebe6e9f7400a27a173502d2) Add parseJson test (@ptusch)
- [d846c5e](https://github.com/davglass/license-checker/commit/d846c5e69707372d3085688e7b601e9a454617) Fix tests after merge conflict (@ptusch)
- [7eac458](https://github.com/davglass/license-checker/commit/7eac4583f803b5b5da4e9f66686bb457fe8dc44) Merge branch 'master' into ft_custom_format (@ptusch)
- [4a7065](https://github.com/davglass/license-checker/commit/4a7065c5eef88d49c3684369b2edd9802c3f734) Add tests for customFormat (@ptusch)

### v4.0.0 (2015/09/04 13:40 +00:00)
- [3fbba5b](https://github.com/davglass/license-checker/commit/3fbba5b5a489ea8c17328eaf71c4d5e9beb17e) 4.0.0 (@davglass)
- [ce8d661](https://github.com/davglass/license-checker/commit/ce8d66108a49af7855c16231ee675c567a2ffe7f) tests: added 100% coverage for license file (@davglass)
- [#42](https://github.com/davglass/license-checker/pull/42) Merge pull request #42 from ptusch/ft_onlyunknown (@ptusch)
- [8929e90](https://github.com/davglass/license-checker/commit/8929e9013ebe0362f19e755048e9218c372abf68) Add tests for the error generation (@ptusch)
- [1a93a41](https://github.com/davglass/license-checker/commit/1a93a41569a53a1580c94c2903a5bc127ad2692) Add error handling (@ptusch)
- [6b79145](https://github.com/davglass/license-checker/commit/6b791457463da71b22b09eeccf16b9f982db682) Add additional check to negate the test (@ptusch)
- [559c72c](https://github.com/davglass/license-checker/commit/559c72ccab2420bc42bf2b498702dad13ef967a) Add test for the first function call. (@ptusch)
- [fa8fffd](https://github.com/davglass/license-checker/commit/fa8fffd69fd8a475484a96b47b57a7b6e738856) Remove trivial UNKNOWN check (@ptusch)
- [6fa44ef](https://github.com/davglass/license-checker/commit/6fa44ef8c045ab2b0a1291b45990edf52adfe0e2) Merge branch 'master' into ft_custom_format (@ptusch)
- [efe23d9](https://github.com/davglass/license-checker/commit/efe23d991cfcf0d8d6f6980f131461408da822b1f) Merge branch 'master' into ft_onlyunknown (@ptusch)
- [c287959](https://github.com/davglass/license-checker/commit/c2879592858805d7ec0304a39c5cf079e6a7c) Add option to only show unknown licenses (@ptusch)
- [#43](https://github.com/davglass/license-checker/pull/43) Merge pull request #43 from senotrusov/master (@senotrusov)
- [d7a663f](https://github.com/davglass/license-checker/commit/d7a663f9deeb4d7a648a6d2c9db84d5667ee540) Add test for exclude option. (@senotrusov)
- [45a27de](https://github.com/davglass/license-checker/commit/45a27de02a3c1d57a86e3f8e14b6e335788c23ba)
Add option to exclude from the output modules which licenses are in the comma-separated list (@senotrusov)
- [41](https://github.com/davglass/license-checker/pull/41) Merge pull request #41 from 
ptusch/ft_path_to_unknown_dependency (@ptusch)
- [ff5f22](https://github.com/davglass/license-checker/commit/ff5f225fd2ba97edfd3ef3f6462981832740c19) Add 
option to see the path of a dependency if unknown (@ptusch)
- [ea4d629](https://github.com/davglass/license-checker/commit/ea4d6297de32d94201bb4786a7aba824928c8f2) Add 
additional 'undefined' checks (@ptusch)
- [af043a2](https://github.com/davglass/license-checker/commit/af043a2c11af45d28bfe71914cd10672855b3297) Merge 
branch 'master' into ft_custom_format (@ptusch)
- [d94a19](https://github.com/davglass/license-checker/commit/d94a19eece177836345a4227893a82d956141b2e) 
updating the docs for --unknown to make it clear (@davglass)
- [38a2b02](https://github.com/davglass/license-checker/commit/38a2b028a9597fbedb06d844258f1070054b38bbcf) Fix 
codestyle and whitespaces (@ptusch)
- [dd173ba](https://github.com/davglass/license-checker/commit/dd173bade65368dc6140476ffe5ae3768fb9618) Add 
--customPath in README.md (@ptusch)
- [911fc1c](https://github.com/davglass/license-checker/commit/911fc1c6b5cc27a3a2a60bb409c08be138bc707) 
Finalize the customFormat (markdown) (@ptusch)
- [8102091](https://github.com/davglass/license-checker/commit/8102091f7949fa8b73cfe80a3e4aead6242b81148) Add 
funtionality to add a custom format (@ptusch)

### v3.1.0 (2015/06/29 14:25 +00:00)
- [59e1e58](https://github.com/davglass/license-checker/commit/59e1e58ca0be1a3d3e3da1712fe7ca624d860b0) 3.1.0 (@davglass)
- [0e33f7a](https://github.com/davglass/license-checker/commit/0e33f7a2cb9fa69d131e2b5c6970f885e09e08) reformatted 
code fixed lint issues added tests (@davglass)
- [83a7f09](https://github.com/davglass/license-checker/commit/83a7f0933d1ccf331279e53fcee13e4efface91) Merge 
branch 'asMarkdown' of git://github.com/ptusch/license-checker into ptusch-asMarkdown (@davglass)
- [703ad47](https://github.com/davglass/license-checker/commit/703ad47147173559e05267e8ff24c74e5b9d3aee0) fixing 
tests (@davglass)
- [2d9fffd](https://github.com/davglass/license-checker/commit/2d9fffd75192e91826262c09099481d23e265bb493) Added 
Markdown Option (@ptusch)
- [67dca36](https://github.com/davglass/license-checker/commit/67dca365b941a7265e4a98d2de533b22c761b169) Remove 
color tags (@ptusch)

### v3.0.3 (2015/06/03 13:35 +00:00)
- [7475c12](https://github.com/davglass/license-checker/commit/7475c129bf291289e4616d9692a962ae537401e8) 3.0.3 (@davglass)
- [c7daef6](https://github.com/davglass/license-checker/commit/c7daef5317a17b3ae61e8c1181a6fb6b43a56) spdx license (@davglass)

### v3.0.2 (2015/05/12 20:29 +00:00)
- [01f3b53](https://github.com/davglass/license-checker/commit/01f3b5384998be6243d38e0d95a4478e5fe3cfa5) 3.0.2 (@davglass)
- [fc0e083](https://github.com/davglass/license-checker/commit/fc0e0832ee291c55e53e6b37a7b9d89f191bc7) defensive code fixes #34 (@davglass)

### v3.0.1 (2015/05/04 12:28 +00:00)
- [0479570](https://github.com/davglass/license-checker/commit/0479570faf87ecce9b37ffbb25afaee7faaec6636)
3.0.1 (@davglass)
- [d85e355](https://github.com/davglass/license-checker/commit/d85e355b55998952facf202eabf8d374f6c69a7e) Checking for valid path first (@davglass)

### v3.0.0 (2015/04/24 14:38 +00:00)
- [e22b61d](https://github.com/davglass/license-checker/commit/e22b61d5d32fe7f7fb18627f55a97e1863a78096) 3.0.0 (@davglass)
- [fde9635](https://github.com/davglass/license-checker/commit/fde96353d207eca4badf7fb3e0d33a038f17b5) always try to find and log the license file (@davglass)

### v2.0.2 (2015/01/26 18:18 +00:00)
- [490f31d](https://github.com/davglass/license-checker/commit/490f31d6820f068814ce27adfa3f1ac6d58f733) 2.0.2 (@davglass)
- [a3fefd5](https://github.com/davglass/license-checker/commit/a3fefd58fa7d7ec64714defb793d757a9e8ad065) fixes #30 (@davglass)

### v2.0.1 (2015/01/12 18:34 +00:00)
- [898fbd5](https://github.com/davglass/license-checker/commit/898fbd53fa289338cf8a9a1735ee440c2a6c525) 2.0.1 (@davglass)
- [2da23db](https://github.com/davglass/license-checker/commit/2da23db2fc7e73edf93cc554e4d7783af225) cleaned up spacing and moved vars around (@davglass)
- [d47d6e4](https://github.com/davglass/license-checker/commit/d47d6e45c992d6b615bf645eaf7f18ee0ca737) fixes #29 (@davglass)

### v2.0.0 (2014/12/04 16:34 +00:00)
- [f94edfe](https://github.com/davglass/license-checker/commit/f94edfe7a9914b4a36f4558efbfc6230d6f7a5e) 2.0.0 (@davglass)
- [f4c71a1](https://github.com/davglass/license-checker/commit/f4c71a13d4e9e4753a9b267e51714fe7f7051e) syntax cleanup (@davglass)
- [d189623](https://github.com/davglass/license-checker/commit/d1896234a5649621ee57ff9a901877d76921794) Document CLI options in Readme. (@timoxley)
- [11e204c](https://github.com/davglass/license-checker/commit/11e204c5c078aeeef16f5fa010da229d1a9f4b5) Default to --no-colour for json, csv & file output. (@timoxley)
- [7e805d5](https://github.com/davglass/license-checker/commit/7e805d5c733f8ee42c7b4a79dc3344b3dd330c0) Add --out flag for writing an output file. (@timoxley)
- [47b4c9](https://github.com/davglass/license-checker/commit/47b4c9e0e249b2847c8ed4f3eaad80cdd731b9) Always print to stdout, don't write files. (@timoxley)
- [b725080](https://github.com/davglass/license-checker/commit/b725080d2dbd5dbb0f994867577d4c5e3de0ee2a) Don't print info messages to stdout. (@timoxley)

### v1.0.1 (2014/11/27 15:23 +00:00)
- [e60f792](https://github.com/davglass/license-checker/commit/e60f792159351a7c7ff17a73e289af626a5) 1.0.1 (@davglass)
- [3f74178](https://github.com/davglass/license-checker/commit/3f741782d804978d1b94ed84190d327df15c) Merge branch 'fixinfiniterecursion' of github.com:yzapuchlak/license-checker into yzapuchlak-fixinfiniterecursion (@davglass)
- [dc78ea0](https://github.com/davglass/license-checker/commit/dc78ea0dca546283440c89feb2d68184c4c1c1) sticking vows 0.8.0 for testing (@davglass)
Fixed issue where circular dependencies in dependency tree would cause the flatten function to infinitely recurse. If the current key is found to be already in the data object (which means it was already processed), we stop processing that key and return the data object. (@yzapuchlak)

### v1.0.0 (2014/11/21 13:56 +00:00)
- [bd549b3](https://github.com/davglass/license-checker/commit/bd549b3b68e74fdd0e08dac10d5f88a8bb51ca6) 1.0.0 (@davglass)
- [63e5f9c](https://github.com/davglass/license-checker/commit/63e5f9c77e348720b3867171bce67541e846d088) added options.filter to checker.init (@davglass)

### v0.1.2 (2014/11/20 15:48 +00:00)
- [8e5f5f0](https://github.com/davglass/license-checker/commit/8e5f5f0e7f83252e4039f6e7d166acc1a33a) 0.1.2 (@davglass)
- [3d7a74e](https://github.com/davglass/license-checker/commit/3d7a74e90122f908057b2008ab29d8bd49011291) fixed lint issue (@davglass)

### v0.1.1 (2014/11/20 15:47 +00:00)
- [750d507](https://github.com/davglass/license-checker/commit/750d5079d32b44ec984ff7ed672498d1b197235) 0.1.1 (@davglass)
- [94522e0](https://github.com/davglass/license-checker/commit/94522e099434d6df163c3f2c5acbc3e6aa19c6f8) fixed merge issues (@davglass)

### v0.1.0 (2014/11/20 15:41 +00:00)
- [8127f5e](https://github.com/davglass/license-checker/commit/8127f5e79eececb7df86dc56f94080e4183dcb11) 0.1.0 (@davglass)
- [76c71ac](https://github.com/davglass/license-checker/commit/76c71ac46baeca8c349fe5892dcb659e859b9608) Updated to newer read-installed (@davglass)

### v0.0.10 (2014/08/12 12:48 +00:00)
- [807507d](https://github.com/davglass/license-checker/commit/807507df1a293bc0360adffd725a9f11331ff2b) 0.0.10 (@davglass)
- [e39ad9b](https://github.com/davglass/license-checker/commit/e39ad9bce6bced545772c241e2e7aba8f40d5b1b) Added checking that the license file is a normal file, because otherwise an appropriately named directory crashes the license-checker through EISDIR, illegal operation on a directory.
- [40ca4da](https://github.com/davglass/license-checker/commit/40ca4dadbc163ca774c87b1de249bd295952faa9) colorize (@couchand)

### v0.0.9 (2014/07/29 01:48 +00:00)
- [c14ef79](https://github.com/davglass/license-checker/commit/c14ef79f0f950ff0985e7e0b3138147b98ab1ec) 0.0.9 (@davglass)
- [ba1b66b](https://github.com/davglass/license-checker/commit/ba1b66b6172a2f98d8bc6c56f40206820bc0916b) Fixes #12 - Using some nicer regexes (@davglass)
- [bce94d5](https://github.com/davglass/license-checker/commit/bce94d5a8ab2f146356857176b2543dd5f6f750) case insensitive check (@davglass)
- [87c3406](https://github.com/davglass/license-checker/commit/87c3406aee2507eaf1d00d592f6dcb59a16e7c48) Allow for LICENCE (@gdw2)
### v0.0.8 (2014/07/07 20:10 +00:00)
- [6ad6ee2](https://github.com/davglass/license-checker/commit/6ad6ee21813e698e7f995e98dcdafbd961f6a33) Added tests and refactored the code a little (@davglass)
- [b8c5815](https://github.com/davglass/license-checker/commit/b8c5815135f5d91fbd1cfb194d034c012073f) Added --csv option to readme file
- [275f276](https://github.com/davglass/license-checker/commit/275f276d6e6d5635f9eb57e9a7978e286f2d174) Apparently abbrev is now at version 1.0.5 which caused the unit test to fail.
- [40b4a42](https://github.com/davglass/license-checker/commit/40b4a420e520c2008b9395d1a8fd38b56f846f5) Modified changes based on Lshint output during Travis build
- [54e2390](https://github.com/davglass/license-checker/commit/54e2390cefd1dc664a15cd3a84347277889f48b) Added csv output option similar to the existing JSON output option. Requires an output filename.

### v0.0.7 (2014/02/26 04:52 +00:00)
- [1ce6d42](https://github.com/davglass/license-checker/commit/1ce6d42147bd20237870818e8059003b331816cf) travis stuff (@davglass)
- [7d04195](https://github.com/davglass/license-checker/commit/7d041959450c68b3c5f427007c43d6c673ad6fb) Added check and a proper test (@davglass)
- [40d6e25](https://github.com/davglass/license-checker/commit/40d6e2580496c3cee1d408ebe28ff523852e8eb2) Undefined handling (@garrows)
- [90217d0](https://github.com/davglass/license-checker/commit/90217d070f626c76b9e7b1610ed5eef6ae40d) Added some better tests (@davglass)
- [2bd76e8](https://github.com/davglass/license-checker/commit/2bd76ec89f4740cd83f6246e0e7341832c6432db) Flattened array of one (@davglass)
- [6f390ff](https://github.com/davglass/license-checker/commit/6f390ff06b31a07939e6d325796bdcbefb5907) Added more license checks in the LICENSE file (and variations) (@davglass)
- [5d91a07](https://github.com/davglass/license-checker/commit/5d91a073a8b766c9a497c1e3b83198ce97e144fd) Fixed extra var (@davglass)
- [ee8f2f7](https://github.com/davglass/license-checker/commit/ee8f2f773d39520c0c4d67334c94d5559f4222d) Fixed missing "install" in npm -g (@jamesbloomer)
- [416b012](https://github.com/davglass/license-checker/commit/416b01219e07a8274e05cd833e05376902adeb) Updated Version (@davglass)
- [6d9bd1e](https://github.com/davglass/license-checker/commit/6d9bd1e195202c8716934b1e9bac8c055683e8b) Fixed lint issue and added a test placeholder. Will add more tests soon (@davglass)
- [655a316](https://github.com/davglass/license-checker/commit/655a316f6448daf3c449fb88e8888a95a8b153e) Added Travis test file (@davglass)
- [99895df](https://github.com/davglass/license-checker/commit/99895df63ac0f9ae48e935311fb1b3f88a688e)
Open Source Used In MSX Platform Infrastructure 4.0.0 24543

Version Bump (@davglass)
- [#4](https://github.com/davglass/license-checker/pull/4) Merge pull request #4 from badunk/refactor (@badunk)
- [1123a1b](https://github.com/davglass/license-checker/commit/1123a1baefc1975f8c36cb59952254cd66c31017) Merge branch 'master' of https://github.com/davglass/license-checker (@badunk)
- [191612e](https://github.com/davglass/license-checker/commit/191612ec21a01bd453368299a14cc5f1ce6f6b13) Version Bump (@davglass)
- [#2](https://github.com/davglass/license-checker/pull/2) Merge pull request #2 from mwilliamson/master (@mwilliamson)
- [9b5a117](https://github.com/davglass/license-checker/commit/9b5a1175892254e96d72f3d8dc793dce42bde37) fixed special case when an empty array is passed to license/licenses (@badunk)
- [025668b](https://github.com/davglass/license-checker/commit/025668b0a62b0d5b58662ce6aeed91de909a6ef) fixed bug with multiple licenses objects not showing (@badunk)
- [#6bdff2](https://github.com/davglass/license-checker/commit/e6bdf52a8e5f9ebed29982014fa4d4586f63d06a) cleaned up the code (@badunk)
- [efb62f2](https://github.com/davglass/license-checker/commit/efb62f2f52a29e9a37af387b280fc17ab0a5f19) added check for circular dependencies (@badunk)
- [825b40c](https://github.com/davglass/license-checker/commit/825b40c6f61fee36dd6f051daa9d4e28853587ac) Version Bump (@davglass)
- [#1](https://github.com/davglass/license-checker/pull/1) Merge pull request #1 from mwilliamson/master (@mwilliamson)
- [2f24319](https://github.com/davglass/license-checker/commit/2f24319dd8d212a1f78ad91af7f3ee21d50ab762) Don't ignore license field if it's a string (@mwilliamson)
- [7b8c34f](https://github.com/davglass/license-checker/commit/7b8c34f75b04a7541bf23d596bbaae5447492c53) Initial Commit (@davglass)

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Authors: Loren Merritt <lorenm@u.washington.edu>
        Anton Mitrofanov <BugMaster@narod.ru>
        Jason Garrett-Glaser <darkshikari@gmail.com>
        Henrik Gramner <hengar-6@student.ltu.se>

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// Original can be found at:
//   https://bitbucket.org/lindenlab/lilsd
// Modifications by Joshua Bell inexorabletash@gmail.com
//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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### v4.0.1 (2016-12-14)

#### WHOOPS

* ['fb9b1ce'](https://github.com/npm/nopt/commit/fb9b1ce57b3c69b4f7819015be87719204f77ef6)  
Merged so many patches at once that the code fencing 
([@adius](https://github.com/adius)) added got broken. Sorry,  
([@adius](https://github.com/adius))!

([@othiym23](https://github.com/othiym23))

### v4.0.0 (2016-12-13)

#### BREAKING CHANGES

* ['651d447'](https://github.com/npm/nopt/commit/651d4473946096d341a480bbe56793de3fc706aa)  
When parsing String-typed arguments, if the next value is `'"'`, don't simply swallow it. ([@samjonester](https://github.com/samjonester))

#### PERFORMANCE TWEAKS

* ['3370ce8'](https://github.com/npm/nopt/commit/3370ce87a7618ba228883861db84dbcdf252a9)  
Simplify initialization. ([@elidoran](https://github.com/elidoran))

* ['356e58e'](https://github.com/npm/nopt/commit/356e58e3b3b431a4b1af7fd7bdee44c2c0526a09)  
Store `Array.isArray(types[arg])` for reuse.  
([@elidoran](https://github.com/elidoran))

* ['0d95e90'](https://github.com/npm/nopt/commit/0d95e9051585158f446f26015b56d2e809b94e5d14a07e)  
Interpret single-item type arrays as a single type.  
([@samjonester](https://github.com/samjonester))

* ['07c69d3'](https://github.com/npm/nopt/commit/07c69d38b5186450941fbb505550becb78a0e925)  
Simplify key-value extraction. ([@elidoran](https://github.com/elidoran))

* ['39b6e5c'](https://github.com/npm/nopt/commit/39b6e5c65ac47f60cd43a1fbeece5cd4c834c254)  
Only call `Date.parse(val)` once. ([@elidoran](https://github.com/elidoran))

* ['934943d'](https://github.com/npm/nopt/commit/934943dfcceb55123a2b15959fe2a359319a5dbd)  
Use `osenv.home()` to find a user's home directory instead of assuming it's always `$HOME`. ([@othiym23](https://github.com/othiym23))
### TEST & CI IMPROVEMENTS

* [`326fffff` (https://github.com/npm/nopt/commit/326fffff7f78a00bcd316adecf69075f8a8093619)](https://github.com/npm/nopt/commit/326fffff7f78a00bcd316adecf69075f8a8093619)
  Fix `\tmp` test to work on Windows.
  (@elidoran)

* [`c89d31a` (https://github.com/npm/nopt/commit/c89d31a49d14f2238bc6672db08da697bbc57f1b)](https://github.com/npm/nopt/commit/c89d31a49d14f2238bc6672db08da697bbc57f1b)
  Only run Windows tests on Windows, only run Unix tests on a Unix.
  (@elidoran)

* [`affd3d1` (https://github.com/npm/nopt/commit/affd3d1d0addffa93006397b2013b18447339366)](https://github.com/npm/nopt/commit/affd3d1d0addffa93006397b2013b18447339366)
  Refresh Travis to run the tests against the currently-supported batch of npm versions.
  (@helio)

  `tap@8.0.1` ([@othiym23](https://github.com/othiym23))

### DOC TWEAKS

* [`5271229` (https://github.com/npm/nopt/commit/5271229ee7c810217dd51616c086f5d9ab224581)](https://github.com/npm/nopt/commit/5271229ee7c810217dd51616c086f5d9ab224581)
  Use JavaScript code block for syntax highlighting.
  (@adius)

* [`c0d156f` (https://github.com/npm/nopt/commit/c0d156f229f9994c5dfc8e4a8886ee9f77a07682)](https://github.com/npm/nopt/commit/c0d156f229f9994c5dfc8e4a8886ee9f77a07682)
  The code sample in the README had `many2: [ oneThing ]`, and now it has `many2: [ two, things ]`.
  (@silkentrance)

version 1.2.11, January 15th, 2017

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for the License Term, to use, modify and copy the Licensed Software by Designated Users on the Development Platforms for the sole purposes of designing, developing, demonstrating and testing Application(s) and/or Devices, and to provide thereto related support and other related services to end-user Customers.

Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use theLicensed Software.

Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying The Qt Company in writing, provided that any Designated User may be replaced only once during any six-month period.

Upon expiry of the initially agreed License Term, the respective License Terms shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the License Term, such notification to be provided to the other Party no less than ninety (90) days before expiry of the respective License Term. Unless otherwise agreed between the Parties, Renewal Term shall be of equal length with the initial License Term.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard pricing applicable at the commencement date of any such Renewal Term.

Any price or other term specified for a Renewal Term shall be valid only for the specified time.

The Qt Company may request the Licensee to place a purchase order corresponding to a quote by The Qt Company for the relevant Renewal Term.

In the event Licensee does not prevent auto-renewal pursuant the above, but a Renewal Term is nevertheless not duly ordered within 30 days from the date of the respective quote from The Qt Company and/or the respective License Fee paid by due date specified in The Qt Company's respective invoice, The Qt
Company shall apply a reinstatement fee equal to ten percent (10%) of the total value of the License Fees of the Development Licenses for the expired term to be added to the License Fee of the respective Renewal Term.

In the event Licensee chooses not to renew a Development License for a Renewal Term by notifying The Qt Company thereof no less than ninety (90) days before expiry of the respective License Term, Licensee may still reinstate such expired Development Licenses for a Renewal Term subject to applicable renewal Term License Fees until thirty (30) days from the expiry of the initially agreed License Term or preceding Renewal Term. After such thirty (30) day period a Development License shall be subject to applicable License Fees for a new Development License and not any Renewal Term License Fees.

3.2. Distribution of Applications
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to

(i) distribute, by itself or through its Contractors, Redistributables as installed, incorporated or integrated into Applications for execution on the Deployment Platforms, and
(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Applications for their respective intended purposes.

Right to distribute the Redistributables as part of an Application as provided herein is not royalty-bearing but is conditional upon the Licensee not having any unpaid License Fees for Development Licenses owed to The Qt Company at the time of distribution of any Redistributables to Customers.

3.3. Distribution of Devices
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to

(i) distribute, by itself or through one or more tiers of Contractors, Redistributables as installed, incorporated or integrated, or intended to be installed, incorporated or integrated into Devices for execution on the Deployment Platforms, and
(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Devices for their respective intended purposes.

Right to distribute the Redistributables with Devices as provided herein is conditional upon the Licensee (i) not having any unpaid License Fees for Development Licenses owed to The Qt Company, and (ii) having purchased and paid corresponding Distribution Licenses at the time of distribution of any Redistributables to Customers.
3.4. Further Requirements
The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:

(i) Licensee shall not remove or alter any copyright, trademark or other proprietary rights notice(s) contained in any portion of the Licensed Software;

(ii) Applications must add primary and substantial functionality to the Licensed Software so as not to compete with the Licensed Software;

(iii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(iv) Licensee shall not use Licensed Software in any manner or for any purpose that infringes, misappropriates or otherwise violates any Intellectual property or right of any third party, or that violates any applicable law;

(v) Licensee shall not use The Qt Company's or any of its suppliers' names, logos, or trademarks to market Applications, except that Licensee may use "Built with Qt" logo to indicate that Application(s) was developed using the Licensed Software;

(vi) Licensee shall not distribute, sublicense or disclose source code of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors as Designated Users to use Licensed Software pursuant to this Agreement). Such right may be available for the Licensee subject to a separate software development kit ("SDK") license agreement to be concluded with The Qt Company;

(vii) Licensee shall not grant the Customers a right to (i) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (ii) modify the Redistributables or create derivative works thereof, (iii) decompile, disassemble or otherwise reverse engineer Redistributables, or (iv) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Device on which the Redistributables are installed;

(viii) Licensee shall not and shall cause that its Affiliates or Contractors shall not use Licensed Software in any Prohibited Combination, unless Licensee has received an advance written permission from The Qt Company to do so. Absent such written permission, any and all distribution by the Licensee during the Term of a hardware device or product a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where the main user interface or substantial functionality is
provided by software built with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered to be Device distribution under this Agreement and shall be dependent on Licensee's compliance thereof (including but not limited to obligation to pay applicable License Fees for such distribution). Notwithstanding what is provided above in this sub-section (viii), Licensee is entitled to use and combine Qt 3D Studio and/or Qt Design Studio with Open Source Qt ("Permitted Combination") for its internal evaluation purposes, provided that Licensee shall in no way transfer, publish, disclose, display or otherwise make available any software or work resulting from such Permitted Combination;

(ix) Licensee shall cause all of its Affiliates and Contractors entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);

(x) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software; and

(xi) Licensee shall not attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws. Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

4. THIRD-PARTY SOFTWARE
The Licensed Software may provide links to third party libraries or code (collectively "Third-Party Software") to implement various functions. Third-Party Software does not comprise part of the Licensed Software. In some cases, access to Third-Party Software may be included with the Licensed Software. Such Third-Party Software will be listed in the "../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE
The Licensed Software may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample" etc. ("Pre-Release Code").
Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee's own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software, provided however that in the event Add-on Products are included and available as such Pre-Release Code, Licensee's right to use such Add-on Products is nevertheless subject to and conditional upon conclusion of separate agreement with The Qt Company.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER
The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.

Except as set forth above, the Licensed Software is licensed to Licensee "as is" and Licensee's exclusive remedy and The Qt Company's entire liability for errors in the Licensed Software shall be limited, at The Qt Company's option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY
7.1. Limitation of Liability
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT,
LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY'S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES
Upon due payment of the agreed License Fees the Licensee will be eligible to receive Support and Updates and to use the Online Services during the License Term, provided, however, that in the event the License Term is longer than 36 months, the initial payment includes Support for only the first 12 months, unless the Parties specifically otherwise agree.

Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

From time to time The Qt Company may change the Support terms, provided that during the respective ongoing License Term the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY
Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to
know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT
10.1. License Fees
License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be.

The License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses
Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase. Unless specifically otherwise provided, any pricing terms referenced in this Agreement shall be valid for twelve (12) months from the date of this Agreement.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable
to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3. Distribution License Packs
Unless otherwise agreed, Distribution Licenses shall be purchased by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly. Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms
License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

10.5. Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS
11.1. Licensee's Record-keeping
Licensee shall at all times during the Term of this Agreement and for a period of seven (7) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request
to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, (iii) number of undistributed copies of Redistributables and corresponding number of unused Distribution Licenses remaining on Licensee's account, and (iv) any other information as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to pay The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company. In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10% of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION
12.1. Agreement Term
This Agreement shall enter into force upon due acceptance by both Parties and remain in force for as long as there is any Development License(s) purchased under this Agreement in force ("Term"), unless and until terminated pursuant to the terms of this Section 12.

12.2. Termination and suspension of rights
Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or
withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within five (5) business days following The Qt Company's written notice thereof.

12.3. Mutual Right to Terminate
Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties Rights and Duties upon Termination
Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software and distribution of the Redistributables under this Agreement. Notwithstanding the above, in the event the Agreement expires or is terminated:

(i) as a result of The Qt Company choosing not to renew the Development License(s) as set forth in Section 3.1, then all valid licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section 10.2; or

(ii) for reason other than by The Qt Company pursuant to item (i) above or pursuant to Section 12.2, then the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).
12.5. Extension in case of bankruptcy
In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) pursuant to Section 3.1, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed Software under this Agreement, then all valid licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

13. GOVERNING LAW AND LEGAL VENUE
In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.
14. GENERAL PROVISIONS

14.1. No Assignment
Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations
Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3. Surviving Sections
Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12, 13 and 14.

14.4. Entire Agreement
This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept or similar agreements the Designated Users may need to accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications
No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms."
14.6. Force Majeure
Except for the payment obligations hereunder, neither Party shall be liable to
the other for any delay or non-performance of its obligations hereunder in the
event and to the extent that such delay or non-performance is due to an event
of act of God, terrorist attack or other similar unforeseeable catastrophic
event that prevents either Party for fulfilling its obligations under this
Agreement and which such Party cannot avoid or circumvent ("Force Majeure
Event"). If the Force Majeure Event results in a delay or non-performance of a
Party for a period of three (3) months or longer, then either Party shall have
the right to terminate this Agreement with immediate effect without any
liability (except for the obligations of payment arising prior to the event of
Force Majeure) towards the other Party.

14.7. Notices
Any notice given by one Party to the other shall be deemed properly given and
deemed received if specifically acknowledged by the receiving Party in writing
or when successfully delivered to the recipient by hand, fax, or special
courier during normal business hours on a business day to the addresses
specified for each Party on the signature page. Each communication and document
made or delivered by one Party to the other Party pursuant to this Agreement
shall be in the English language.

14.8. Export Control
Licensee acknowledges that the Redistributables, as incorporated in
Applications or Devices, may be subject to export control restrictions under
the applicable laws of respective countries. Licensee shall fully comply with
all applicable export license restrictions and requirements as well as with all
laws and regulations relating to the Redistributables and exercise of licenses
hereunder and shall procure all necessary governmental authorizations,
including without limitation, all necessary licenses, approvals, permissions or
consents, where necessary for the re-exportation of the Redistributables,
Applications and/or Devices.

14.9. No Implied License
There are no implied licenses or other implied rights granted under this
Agreement, and all rights, save for those expressly granted hereunder, shall
remain with The Qt Company and its licensors. In addition, no licenses or
immunities are granted to the combination of the Licensed Software with any
other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled
to recover its attorney's fees and costs in connection with such action.

14.11. Privacy
Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt
Company may collect, use, transfer and disclose personal data pertaining to
Designated Users as well as any other employees and directors of the Licensee
and its Contractors relevant for carrying out the intent of this Agreement. Such personal data may be collected from the Licensee or directly from the relevant individuals. The Parties acknowledge that with regard to such personal data processed hereunder, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

APPENDICES

The Agreement includes Appendix 1, and possibly one or more of the appendices 3-5, depending on the product(s) purchased by the Licensee, what is stated in the quote or invoice, and/or what is stated in the Licensee's License Certificate.

APPENDIX 1

The modules and/or tools that are included in the respective product - Qt for Application Development (QtAD), Qt for Device Creation (QtDC), Qt for MCUs (QtMCU), Qt 3D Studio (Qt3DS) and Qt Design Studio (QtDS) - are marked with 'X' in the below table.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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<th>Modules/Tools</th>
<th>QtAD</th>
<th>QtDC</th>
<th>QtMCU</th>
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### APPENDIX 3: ADDITIONS TO LICENSED SOFTWARE

In addition to what is provided under the definition of the Licensed Software, Parties agree that Licensed Software shall also include the Add-On Products of The Qt Company, as mentioned in this Appendix, if included in the quote / invoice.

The Modules and/or Tools of the Licensed Software that are included with each Add-On Product respectively are marked with 'X' in the below table. Parts of the respective Add-On Product that are permitted for distribution in object-code form only (“Redistributables”) are marked with ‘R’ in the below table.

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| | Qt Safe Renderer | X,R | X,R | | | |
| Qt          | | | | | |
| Application | X,R | | X,R |
| Manager     | | | | | |
| Qt IVI      | X,R | | | |
| Reference UI| X,R | | | |
| Qt GENIVI   | X,R | | | |
| Extras      | | | | | |
| QML Live    | X | | | |
| Qt Creator  | X | | | |
| Deployment  | | | | | |
| Qt Creator  | | | | | |
| Plugin for  | X | X |
| Qt          | X | | X |
| Application | | | | |
| Manager     | | | | |
| Qt          | | | | |
| Automotive  | X | | | |
| Suite       | X | | | |
| Deployment  | | | | |
| Server      | | | | |
| Qt Design   | X | | | |
| Studio      | | | | |
| Qt 3D Studio| X | | | |
| GammaRay    | X | | X |
| Platform    | | | | |
| adaptions   | | | | |
| for         | | | X |
| specified   | | | | |
| Deployment  | | | | |
| Platforms   | | | | |
| Qt for      | | | | |
| Device      | X | | |
| Creation    | | | | |

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APPENDIX 4: SMALL BUSINESS AND STARTUP
The provisions of this Appendix 4 are applicable for Start-up Companies and for the Evaluation Term. For the purpose of this Appendix 4, the following additional definitions shall be applicable:

"Trial Term" shall mean a period of twelve (12) months.

"Start-up Company" means a company with a maximum annual revenue, including funding, equivalent to 100,000 USD (in applicable currency) during a respective calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company.

During the Trial Term, Section 3 shall apply with following modifications ("Trial Term Modifications"):

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(b) in the event the Licensee still qualifies as a Start-up Company, the Licensee has an option ("Option"), instead of what is stated in item a) above, to renew the Trial Term. Renewal is limited to one time, and the total duration of Trial Term is thus 24 months after the effective date. Licensee shall notify The Qt Company in writing, no less than ninety (90) days before the expiry date, if Licensee wish to exercise the Option.
APPENDIX 5: NON-COMMERCIAL USE
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"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee’s software and/or hardware, and (ii) prototype versions of Applications or Devices.

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"Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.

For the purpose of this Appendix 5, the following changes shall be agreed with respect to relevant Sections of the Agreement:

I. Recital (A) shall be replaced in its entirety to read as follows:

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III. Sections 3.2, 3.3, 8 and 10 shall be deleted.

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`npm install spdx-license-ids`


A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or
[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```
npm install spdx-license-ids
```
Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

```javascript
### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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Jesse Rosenstock <jmr@google.com>
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```
const fs = require('fs');

fs.writeFile('test.txt', 'Hello, world!', (err) => {
    if (err) throw err;
    console.log('File has been saved!');
});
```

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Contributors (in approximate order of appearance)
[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Elliston
bje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.);
early prototype routines.
Ross Johnson
rpj at callisto dot canberra dot edu dot au
early prototype routines;
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.
Robert Colquhoun
rjc at trump dot net dot au
Early bug fixes.
John E. Bossom
John dot Bossom at cognos dot com
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.
Anders Norlander
anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported Win32 routines.
Tor Lilqvist
tml at iki dot fi
General enhancements;
early bug fixes to condition variables.
Scott Lightner
scott at curriculum dot com
Bug fix.
Kevin Ruland
Kevin dot Ruland at anheuser-busch dot com
Various bug fixes.
Mike Russo
miker at eai dot com
Bug fix.
Mark E. Armstrong
avail at pacbell dot net
Bug fixes.
Lorin Hochstein
lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.
Peter Slacik
Peter dot Slacik at tatramed dot sk
Bug fixes.
Mumit Khan
mumit at xraylith dot wisc dot edu
Fixes to work with Mingw32.
Milan Gardian
mg at tatramed dot sk
Bug fixes and reports/analyses of obscure problems.
Aurelio Medina
aureliom at crt dot com
First implementation of read-write locks.
Graham Dumpleton
Graham dot Dumpleton at ra dot pad dot otc dot telstra dot com dot au
Bug fix in condition variables.
Tristan Savatier	tristan at mpegtv dot com
WinCE port.
Erik Hensema	erik dot xs4all dot nl
Bug fixes.
Rich Peters	at micro-magic dot com
Todd Owen
toctrldcalm dot dropbear dot dot au
Bug fixes to dll loading.
Jason Ny
tbnet dot nb dot ca
Implementation of async cancelation.
Fred Forester	at eticomm dot net
Kevin D. Clark	at cabletron dot com
David Baggett
dmb at itasoftware dot com
Bug fixes.
Paul Redondo	at matchvision dot com
Scott McCaskill	scott at 3dfx dot com
Bug fixes.
Jef Gearhart
tpssys dot com
Bug fix.
Arthur Kantor	at bexusa dot com
Mutex enhancements.
Steven Reddies	at esemer dot com dot au
Bug fix.
Alexander Terekhov
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathckco;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfaff	gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bez
procedure to fix Mingw32 thread-safety issues.
Louis Thomas
(at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korn
t at research dot com
Ported to UWIN.
Phil Frisbie, Jr.
that hawksoft dot com
Bug fix.
Ralf Brese
Ralf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at junodotcom prionx at junodotcom
Bug fixes.
Max Woodburymtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fannerrfanner at stonethreedotcom
Bug fix.
Michael Johnson michaelj at mainedotrrdotcom
Bug fix.
Nicolas Barryboozai at yaho dotcom
Bug fixes.
Piet van Bruggenpietvb at newbridges dot nl
Bug fix.
Makoto Katoraven at oldskool dotjp
AMD64 port.
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEX package which
makes preemptive async cancelation possible.
Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Fregegottlobfrege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Kliatchkovladimir at kliatchko dot com
reimplemented pthread_once with the same form
as described by A. Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
A. HISTORY OF THE SOFTWARE
================================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Computer graphics and geometric modeling: implementation and algorithms
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See also:
"Polygon Offsetting by Computing Winding Numbers"
Paper no. DETC2005-85513 pp. 565-575
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node-http-proxy

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This file contains a list of people who have made large contributions to the public version of Protocol Buffers.

Original Protocol Buffers design and implementation:
Sanjay Ghemawat <sanjay@google.com>
Jeff Dean <jeff@google.com>
Daniel Dulitz <daniel@google.com>
Craig Silverstein
Paul Haahr <haahr@google.com>
Corey Anderson <corin@google.com>
(and many others)

Proto2 C++ and Java primary author:
Kenton Varda <kenton@google.com>

Proto2 Python primary authors:
Will Robinson <robinson@google.com>
Petar Petrov <petar@google.com>

Java Nano primary authors:
Brian Duff <bduff@google.com>
Tom Chao <chaot@google.com>
Max Cai <maxtroy@google.com>
Ulas Kirazci <ulas@google.com>

Large code contributions:
Jason Hsueh <jasonh@google.com>
Joseph Schorr <jschorr@google.com>
Wenbo Zhu <wenboz@google.com>

Large quantity of code reviews:
Scott Bruce <sbruce@google.com>
Frank Yellin
Neal Norwitz <nnorwitz@google.com>
Jeffrey Yasskin <jyasskin@google.com>
Ambrose Feinstein <ambrose@google.com>

Documentation:
Lisa Carey <lcarey@google.com>

Maven packaging:
Gregory Kick <gak@google.com>

Patch contributors:
Kevin Ko <kevin.s.ko@gmail.com>
* Small patch to handle trailing slashes in --proto_path flag.
Johan Euphrosine <proppy@aminche.com>
* Small patch to fix Python CallMethod().
Ulrich Kunitz <kune@deine-taler.de>
* Small optimizations to Python serialization.
Leandro Lucarella <llucax@gmail.com>
* VI syntax highlighting tweaks.
* Fix compiler to not make output executable.
Dilip Joseph <dilip.antony.joseph@gmail.com>
* Heuristic detection of sub-messages when printing unknown fields in
text format.

Brian Atkinson <nairb774@gmail.com>
  * Added @Override annotation to generated Java code where appropriate.

Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>
  * Tru64 support.

Monty Taylor <monty.taylor@gmail.com>
  * Solaris 10 + Sun Studio fixes.

Alek Storm <alek.storm@gmail.com>
  * Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>
  * MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.

Brian Olson <brianolson@google.com>
  * gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>
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  * Added generation of field number constants.

Wink Saville <wink@google.com>
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Will Pierce <willp@nuclei.com>
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  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>
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  * HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>
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  * Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
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William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris.

Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xIC compiler build issues
  * Added atomicops for AIX (POWER)
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From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
Date: Fri, Jun 24, 2011 at 3:20 AM
Subject: Re: sqrt routine
To: Kevin Ma <kma@google.com>
Hi Kevin,
Thanks for asking. Those routines are public domain (originally posted to comp.sys.arm a long time ago), so you can use them freely for any purpose.
Cheers,
Wilco

---- Original Message ----
From: "Kevin Ma" <kma@google.com>
To: <Wilco.Dijkstra@ntlworld.com>
Sent: Thursday, June 23, 2011 11:44 PM
Subject: Fwd: sqrt routine
Hi Wilco,
I saw your sqrt routine from several web sites, including
* http://www.finesse.demon.co.uk/steven/sqrt.html.
* Just wonder if there's any copyright information with your Successive
  approximation routines, or if I can freely use it for any purpose.
* Thanks.
* Kevin
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'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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If you want to write an option parser, and have it be good, there are two ways to do it. The Right Way, and the Wrong Way.
The Wrong Way is to sit down and write an option parser. We've all done that.

The Right Way is to write some complex configurable program with so many options that you hit the limit of your frustration just trying to manage them all, and defer it with duct-tape solutions until you see exactly to the core of the problem, and finally snap and write an awesome option parser.

If you want to write an option parser, don't write an option parser. Write a package manager, or a source control system, or a service rearter, or an operating system. You probably won't end up with a good one of those, but if you don't give up, and you are relentless and diligent enough in your procrastination, you may just end up with a very nice option parser.

## USAGE

```javascript
// my-program.js
var nopt = require("nopt")
, Stream = require("stream").Stream
, path = require("path")
, knownOpts = { "foo" : [String, null]
, "bar" : [Stream, Number]
, "baz" : path
, "bloo" : [ "big", "medium", "small" ]
, "flag" : Boolean
, "pick" : Boolean
, "many1" : [String, Array]
, "many2" : [path, Array]
}
, shortHands = { "foofoo" : ["--foo", "Mr. Foo"]
, "b7" : ["--bar", "7"]
, "m" : ["--bloo", "medium"]
, "p" : ["--pick"]
, "f" : ["--flag"]
}
// everything is optional.
// knownOpts and shorthands default to {}
// arg list defaults to process.argv
// slice defaults to 2
, parsed = nopt(knownOpts, shortHands, process.argv, 2)
console.log(parsed)
```

This would give you support for any of the following:
```console
$ node my-program.js --foo "blerp" --no-flag
{ "foo" : "blerp", "flag" : false }

$ node my-program.js --bar 7 --foo "Mr. Hand" --flag
{ bar: 7, foo: "Mr. Hand", flag: true }

$ node my-program.js --foo "blerp" -f ------p
{ foo: "blerp", flag: true, pick: true }

$ node my-program.js -fp --foofoo
{ foo: "Mr. Foo", flag: true, pick: true }

$ node my-program.js --foofoo --fp # -- stops the flag parsing.
{ foo: "Mr. Foo", argv: { remain: ["--fp"] } }

$ node my-program.js --blatzk -fp # unknown opts are ok.
{ blatzk: true, flag: true, pick: true }

$ node my-program.js --blatzk=1000 -fp # but you need to use = if they have a value
{ blatzk: 1000, flag: true, pick: true }

$ node my-program.js --no-blatzk -fp # unless they start with "no-"
{ blatzk: false, flag: true, pick: true }

$ node my-program.js --baz b/a/z # known paths are resolved.
{ baz: "/Users/isaacs/b/a/z" }

# if Array is one of the types, then it can take many
# values, and will always be an array. The other types provided
# specify what types are allowed in the list.

$ node my-program.js --many1 5 --many1 null --many1 foo
{ many1: ["5", "null", "foo"] }

$ node my-program.js --many2 foo --many2 bar
{ many2: ["/path/to/foo", "path/to/bar"] }
```

Read the tests at the bottom of `lib/nopt.js` for more examples of what this puppy can do.

## Types

The following types are supported, and defined on `nopt.typeDefs`

* String: A normal string. No parsing is done.
* path: A file system path. Gets resolved against cwd if not absolute.
* url: A url. If it doesn't parse, it isn't accepted.
* Number: Must be numeric.
* Date: Must parse as a date. If it does, and `Date` is one of the options, then it will return a Date object, not a string.
* Boolean: Must be either `true` or `false`. If an option is a boolean, then it does not need a value, and its presence will imply `true` as the value. To negate boolean flags, do `--no-whatever` or `--whatever false`
* NaN: Means that the option is strictly not allowed. Any value will fail.
* Stream: An object matching the "Stream" class in node. Valuable for use when validating programmatically. (npm uses this to let you supply any WriteStream on the `outfd` and `logfd` config options.)
* Array: If `Array` is specified as one of the types, then the value will be parsed as a list of options. This means that multiple values can be specified, and that the value will always be an array.

If a type is an array of values not on this list, then those are considered valid values. For instance, in the example above, the `--bloo` option can only be one of `big`, `medium`, or `small`, and any other value will be rejected.

When parsing unknown fields, `true`, `false`, and `null` will be interpreted as their JavaScript equivalents.

You can also mix types and values, or multiple types, in a list. For instance `{ blah: [Number, null] }` would allow a value to be set to either a Number or null. When types are ordered, this implies a preference, and the first type that can be used to properly interpret the value will be used.

To define a new type, add it to `nopt.typeDefs`. Each item in that hash is an object with a `type` member and a `validate` method. The `type` member is an object that matches what goes in the type list. The `validate` method is a function that gets called with `validate(data, key, val)`. Validate methods should assign `data[key]` to the valid value of `val` if it can be handled properly, or return boolean `false` if it cannot.

You can also call `nopt.clean(data, types, typeDefs)` to clean up a config object and remove its invalid properties.

## Error Handling

By default, nopt outputs a warning to standard error when invalid values for known options are found. You can change this behavior by assigning a method to `nopt.invalidHandler`. This method will be called with the offending `nopt.invalidHandler(key, val, types)`. 

---

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If no `nopt.invalidHandler` is assigned, then it will `console.error` its whining. If it is assigned to boolean `false` then the warning is suppressed.

## Abbreviations

Yes, they are supported. If you define options like this:

```javascript
{ "foolhardyelephants" : Boolean
, "pileofmonkeys" : Boolean }
```

Then this will work:

```bash
node program.js --foolhar --pil
node program.js --no-f --pileofmon
# etc.
```

## Shorthands

Shorthands are a hash of shorter option names to a snippet of args that they expand to.

If multiple one-character shorthands are all combined, and the combination does not unambiguously match any other option or shorthand, then they will be broken up into their constituent parts. For example:

```json
{ "s" : ["--loglevel", "silent"]
, "g" : "--global"
, "f" : "--force"
, "p" : "--parseable"
, "l" : "--long"
}
```

```bash
npm ls -sgflp
# just like doing this:
npm ls --loglevel silent --global --force --long --parseable
```

## The Rest of the args
The config object returned by nopt is given a special member called `argv`, which is an object with the following fields:

* `remain`: The remaining args after all the parsing has occurred.
* `original`: The args as they originally appeared.
* `cooked`: The args after flags and shorthands are expanded.

## Slicing

Node programs are called with more or less the exact argv as it appears in C land, after the v8 and node-specific options have been plucked off. As such, `argv[0]` is always `node` and `argv[1]` is always the JavaScript program being run.

That's usually not very useful to you. So they're sliced off by default. If you want them, then you can pass in `0` as the last argument, or any other number that you'd like to slice off the start of the list.

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Adrienne Walker
thestig@chromium.org
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BezierEasing - use bezier curve for transition easing function
by Gatan Renaudeau 2014 - 2015  MIT License

Credits: is based on Firefox's nsSMILKeySpline.cpp
Usage:
var spline = BezierEasing([ 0.25, 0.1, 0.25, 1.0 ])
spline.get(x) => returns the easing value | x must be in [0, 1] range
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* Adriaan de Groot <groot@kde.org>
* Aleksey Avdeev <solo@altlinux.ru>
* Alexander Neundorf <neundorf@kde.org>
* Alexander Smorkalov <alexander.smorkalov@itseez.com>
* Alexey Sokolov <sokolov@gmail.com>
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* Axel Huebl, Helmholtz-Zentrum Dresden - Rossendorf
* Benjamin Eikel
* Bjoern Ricks <bjoern.ricks@gmail.com>
* Thomas Sondergaard <ts@medical-insight.com>
* Tobias Hunger <tobias.hunger@qt.io>
* Todd Gamblin <tgamblin@llnl.gov>
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reports:
- lcov
- text
- text-summary

check:
  global:
    statements: 95
    lines: 95
    branches: 90
    functions: 100

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## Commands to generate dependency files 
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS) 
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS) 

## Flags for position independent code 
SHAREDLIBCFLAGS = -fPIC 
SHAREDLIBCXXFLAGS = -fPIC 
SHAREDLIBCPPFLAGS = -DPIC 

## Additional flags when building libraries and with threads 
THREADSCPPFLAGS = -D_REENTRANT 
LIBCPPFLAGS = 

## Compiler switch to embed a runtime search path 
LD_RPATH= 
LD_RPATH_PRE=-Wl,-rpath, 

## Compiler switch to embed a library name 
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET)) 

## Shared library options 
LD_SOOPTIONS= -Wl,-Bsymbolic 

## Shared object suffix 
SO = so 

## Non-shared intermediate object suffix 
STATIC_O = ao 

## Compilation rules 
%.$(STATIC_O): $(srcdir)/%.c 
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $< 
%.o: $(srcdir)/%.c 
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $< 

%.$(STATIC_O): $(srcdir)/%.cpp 
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $< 
%.o: $(srcdir)/%.cpp 
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $< 

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## Dependency rules

%.d: $(srcdir)/%.c  
@echo "generating dependency information for $<"  
@$(SHELL) -ec "$(GEN_DEPS.c) $<  
| sed "\%s/\$(\$*)/\$@ \$< \"  
[ -s $@ ]|| rm -f $@"  

%.d: $(srcdir)/%.cpp  
@echo "generating dependency information for $<"  
@$(SHELL) -ec "$(GEN_DEPS.cc) $<  
| sed "\%s/\$(\$*)/\$@ \$< \"  
[ -s $@ ]|| rm -f $@"

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)  
$(RM) $@ && ln -s ${<F} $@  

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)  
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use  
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library  
BIR_DEPS=

## Remove shared library 's'

STATIC_PREFIX_WHEN_USED =  
STATIC_PREFIX =

## End BSD-specific setup

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#!/usr/bin/env node
var nopt = require("../lib/nopt")
, path = require("path")
, types = { num: Number
, bool: Boolean
, help: Boolean
, list: Array
, "num-list": [Number, Array]
, "str-list": [String, Array]
, "bool-list": [Boolean, Array]
, str: String
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C++ Big Integer Library
(see ChangeLog for version)

http://mattmccutchen.net/bigint/

Written and maintained by Matt McCutchen <matt@mattmccutchen.net>

You can use this library in a C++ program to do arithmetic on integers of size limited only by your computer's memory. The library provides BigUnsigned and BigInteger classes that represent nonnegative integers and signed integers, respectively. Most of the C++ arithmetic operators are overloaded for these classes, so big-integer calculations are as easy as:

#include "BigIntegerLibrary.hh"

BigInteger a = 65536;
cout << (a * a * a * a * a * a * a);

(prints 340282366920938463463374607431768211456)

The code in `sample.cc' demonstrates the most important features of the library. To get started quickly, read the code and explanations in that file and run it.
If you want more detail or a feature not shown in `sample.cc', consult the actual header and source files, which are thoroughly commented.

This library emphasizes ease of use and clarity of implementation over speed; some users will prefer GMP (http://swox.com/gmp/), which is faster. The code is intended to be reasonably portable across computers and modern C++ compilers; in particular, it uses whatever word size the computer provides (32-bit, 64-bit, or
Compiling programs that use the library
---------------------------------------
The library consists of a folder full of C++ header files (`.hh') and source files (`.cc'). Your own programs should ‘#include’ the necessary header files and link with the source files. A makefile that builds the sample program (`sample.cc') is included; you can adapt it to replace the sample with your own program.

Alternatively, you can use your own build system or IDE. In that case, you must put the library header files where the compiler will find them and arrange to have your program linked with the library source files; otherwise, you will get errors about missing header files or “undefined references”. To learn how to do this, consult the documentation for the build system or IDE; don't bother asking me. Adding all the library files to your project will work in many IDEs but may not be the most desirable approach.

Resources
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The library’s Web site (above) provides links to released versions, the current development version, and a mailing list for release announcements, questions, bug reports, and other discussion of the library. I would be delighted to hear from you if you like this library and/or find a good use for it.

Bugs and enhancements
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The library has been tested by me and others but is by no means bug-free. If you find a bug, please report it, whether it comes in the form of compiling trouble, a mathematically inaccurate result, or a memory-management blooper (since I use Java, these are altogether too common in my C++). I generally fix all reported bugs. You are also welcome to request enhancements, but I am unlikely to do substantial amounts of work on enhancements at this point.

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Jean-loup Gailly        Mark Adler
jlo@lzip.org            madler@alumni.caltech.edu

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Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@gmail.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@gmail.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kostya Serebryany <kcc@google.com>
Lev Maklils
Manuel Klimek <klimek@google.com>
Mario Tanev <radix@gmail.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
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Version 3, 29 June 2007

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By: Marijn Haverbeke, Ingvar Stepanyan, Adrian Heine
Repository: https://github.com/acornjs/acorn.git

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language: node_js
node.js:
- '0.12'
- '4'
- '6'
- '7'

before_install:
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validate-npm-package-license
============================================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var validSPDXExpression = {
validForNewPackages: true,
validForOldPackages: true,
spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
valid('Apache 2.0'),
{
validForOldPackages: false,
validForNewPackages: false,
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package
and point users there:

```javascript
assert.deepEqual(valid('SEE LICENSE IN LICENSE.txt'),
    {
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'LICENSE.txt'
    }
);

assert.deepEqual(valid('SEE LICENSE IN license.md'),
    {
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'license.md'
    }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
    validForNewPackages: true,
    validForOldPackages: true,
    unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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* Joo Duarte (jsvd)
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1.2063 go-colorable v0.1.6

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1.2064 jetty-util 9.4.16.v20190411

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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**Oracle OpenJDK**

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
Marc-Antoine Ruel <maruel@chromium.org>
Nigel Tao <nigeltao@golang.org>
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package core

import (  
    "testing"
    "github.com/stretchr/testify/assert"
)
type dummySyncClient struct { EventCount int }

func (dsc *dummySyncClient) Publish(event beat.Event) error {
    dsc.EventCount++
    return nil
}

func (dsc *dummySyncClient) PublishAll(events []beat.Event) error {
    dsc.EventCount += len(events)
    return nil
}

func (dsc *dummySyncClient) Close() error {
    return nil
}

func (dsc *dummySyncClient) Wait() {}

func TestLicenseAwareClient(t *testing.T) {
    t.Run("publish single event", func(t *testing.T) {
        testPublish(t, func(lac *LicenseAwareClient) (int, error) {
            return 1, lac.Publish(beat.Event{})
        })
    })
    t.Run("publish multiple events", func(t *testing.T) {
        testPublish(t, func(lac *LicenseAwareClient) (int, error) {
        })
    })
}

func testPublish(t *testing.T, publish func(lac *LicenseAwareClient) (int, error)) {
    // Create strict license check.
    allowBasic := func(log *logp.Logger, l licenser.License) bool {
        return l.Is(licenser.Basic)
    }
    allowPlatinum := func(log *logp.Logger, l licenser.License) bool {
        return l.Is(licenser.Platinum)
    }
}
t.Run("when license is valid first check", func(t *testing.T) {
    license := licenser.License{Mode: licenser.Basic}
    client := &dummySyncClient{
    }
    lac := NewLicenseAwareClient(client, allowBasic, allowPlatinum)
    defer lac.Close()
    lac.OnNewLicense(license)
    count, err := publish(lac)
    if !assert.NoError(t, err) {
        return
    }
    assert.Equal(t, count, client.EventCount)
})

// When license is valid second check

// When license is not valid

// License is invalid by default
Elastic go-seccomp-bpf
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package core

import (  "errors"  "github.com/elastic/beats/libbeat/beat"  "github.com/elastic/beats/libbeat/common/atomic"  "github.com/elastic/beats/libbeat/logp"
Open Source Used In MSX Platform Infrastructure 4.0.0

github.com/elastic/beats/x-pack/libbeat/licenser

var errInvalidLicense = errors.New("invalid license detected, cannot publish events")

// LicenseAwareClient is a client that enforce a specific license, the type implements the // License.Watcher interface and will need to be registered to the license manager. // The client instance will listen to license change and make sure that the required licenses // match the current license.
type LicenseAwareClient struct {
    checks []licenser.CheckFunc
    client Client
    log    *logp.Logger
    valid  atomic.Bool
}

// NewLicenseAwareClient returns a new license aware client.
func NewLicenseAwareClient(
    client Client,
    checks ...licenser.CheckFunc,
) *LicenseAwareClient {
}

// OnNewLicense receives a callback by the license manager when new license is available and control // if we can send events to the client or not.
func (lac *LicenseAwareClient) OnNewLicense(license licenser.License) {
    valid := licenser.Validate(lac.log, license, lac.checks...)
    lac.valid.Swap(valid)
}

// OnManagerStopped receives a callback from the license manager when the manager is stopped.
func (lac *LicenseAwareClient) OnManagerStopped() {
    // NOOP but need to be implemented for the watcher interface.
}

// PublishAll check if the license allow us to send events.
func (lac *LicenseAwareClient) PublishAll(events []beat.Event) error {
    if lac.valid.Load() {
        return lac.client.PublishAll(events)
    }
    return errInvalidLicense
}

// Publish check if the license allow us to send events.
func (lac *LicenseAwareClient) Publish(event beat.Event) error {
    if lac.valid.Load() {
        return lac.client.Publish(event)
    }
    return errInvalidLicense
}
// Wait proxy the Wait() call to the original client.
func (lac *LicenseAwareClient) Wait() {
    lac.client.Wait()
}

// Close proxy the Close() call to the original client.
func (lac *LicenseAwareClient) Close() error {
    return lac.client.Close()
}

Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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// Code generated by beats/dev-tools/cmd/license/license_generate.go - DO NOT EDIT.

description

package licenses

import "fmt"

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var Elastic = `// Copyright Elasticsearch B.V. and/or licensed to Elasticsearch B.V. under one // or more contributor license agreements. Licensed under the Elastic License; // you may not use this file except in compliance with the Elastic License.
`

func Find(name string) (string, error) {
    switch name {
    case "ASL2":
        return ASL2, nil
    case "Elastic":
        return Elastic, nil
    }
    return "", fmt.Errorf("unknown license: %s", name)
}

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package simulator

import (
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
Properties: []types.KeyAnyValue{
  
  Key: "feature",
  Value: types.KeyValue{
    Key:   "serialuri:2",
    Value: "Remote virtual Serial Port Concentrator",
  },
  },
  
  Key: "feature",
  Value: types.KeyValue{
    Key:   "dvs",
    Value: "vSphere Distributed Switch",
  },
}


type LicenseManager struct {
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
  m := &LicenseManager{} 
  m.Self = ref
  m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

  if Map.IsVPX() {
    am := Map.Put(&LicenseAssignmentManager{}).Reference()
    m.LicenseAssignmentManager = &am
  }

  return m
}

type LicenseAssignmentManager struct {
  mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
  body := &methods.QueryAssignedLicensesBody{
    Res: &types.QueryAssignedLicensesResponse{},
  }

  // EntityId can be a HostSystem or the vCenter InstanceUuid
  if req.EntityId != "" {
    if req.EntityId != Map.content().About.InstanceUuid {


id := types.ManagedObjectReference{
    Type: "HostSystem",
    Value: req.EntityId,
}

if Map.Get(id) == nil {
    return body
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    {
        EntityId: req.EntityId,
        AssignedLicense: EvalLicense,
    },
}

return body

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Posted Date: April 20, 2018

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mgo - MongoDB driver for Go

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Revision: 44cc805cf13205b55f69e14bcb69867d1ae92f98
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Revision: v0.4.0
Revision: 39073a2988f718067d85d27a4d188c1b57de5d947
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Dependency: github.com/elastic/go-lumber
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Version: v0.0.5
Revision: 9a4be54a53be4e48b44d351d52fb425a5e274be5
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Version: 7b021494a9562d0c3f0422d49b9980709c5650e9
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Revision: 33b346590d1dd4eaac217471671f736bcdab492d
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Version: v1.5.0
Revision: 570b54cabe6b8eb0bc2dfce68d964677d63b5260
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Version: v1.4.1
Revision: 72cd26f257d44c1114970e19afddcd812016007e
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Dependency: github.com/gofrs/uuid
Version: 3.1.1
Revision: 47cd1dca1a6e7f807d5a492bd7e7f41d0855b5a1
License type (autodetected): MIT

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Dependency: github.com/gogo/protobuf
Revision: 636bf0302bc95575d69441b25a2603156ffdddf1
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Dependency: github.com/golang/protobuf
Revision: bbd03ef6da3a115852eaf24c8a1c46aeb39aa175
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Dependency: github.com/google/uuid
Revision: 281f560d28af7174109514e936f94c2ab2cb2823
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Version: 0.2.2
Revision: 3433f3ea46d9f8019119e7dd41274e112a2359a9
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Dependency: github.com/joeshaw/multierror
Revision: 69b34d4ec901851247ae77d33909caf9df99ed
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Dependency: github.com/klauspost/cpuid
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Dependency: github.com/kubernetes/apimachinery
Version: kubernetes-1.11.1
Revision: 103fd098999dc9c0c88536f5c9ad2e5da39373ae
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Dependency: github.com/lib/pq
Revision: 2704adc878c21e1329f46f6e56a1c387d788ff94
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Revision: 5e51f9ad1ed0886c5d06a8c46a09703cfc4d9034
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Dependency: github.com/mattn/go-colorable
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Version: v1.0.8
Revision: 5a2b9fab83ff0f8bfc99684bd5f43a37abe560f1
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Dependency: github.com/pkg/errors
Revision: ff09b135c25aae272398c51a07235b90a75aa4f0

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Version: v1.0.0
Revision: 792786c7400a136282c1664665ae0a8db921c6c2
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Version: v2.18.11
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Version: v1.7.1
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cpy

package licenser

import (  "testing"  "time"

"github.com/stretchr/testify/assert"
)

cpy

cpy func TestLicenseGet(t *testing.T) {
    tests := []struct {
        name string
        t    LicenseType
    }{
for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        l := License{Mode: test.t}
        assert.Equal(t, test.t, l.Get())
    })
}

func TestLicenseIs(t *testing.T) {
    tests := []struct {
        name string
        t    LicenseType
        query LicenseType
        expected bool
    }{
        
        name: "Basic and asking for Basic",
        t:   Basic,
        query: Basic,
        expected: true,
    },
    
        name: "Platinum and asking for Basic",
        t:   Platinum,
        query: Basic,
        expected: true,
    },
    
        name: "Basic and asking for Platinum",
        t:   Basic,
        query: Platinum,
        expected: false,
    },
    
        name: "Gold and asking for Gold",
        t:   Gold,
        query: Gold,
        expected: true,
for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        l := License{Mode: test.t}
        assert.Equal(t, test.expected, l.Cover(test.query))
    })
}

func TestLicenseIsStrict(t *testing.T) {
    tests := []struct {
        name     string
        t        LicenseType
        query    LicenseType
        expected bool
    }{
        {name: "Basic and asking for Basic", t: Basic, query: Basic, expected: true,
        },
        {name: "Platinum and asking for Basic", t: Platinum, query: Basic, expected: false,
        },
        {name: "Basic and asking for Platinum", t: Basic, query: Platinum, expected: false,
        },
        {name: "Gold and asking for Gold", t: Gold, query: Gold, expected: true,
        }
    }
    for _, test := range tests {
        t.Run(test.name, func(t *testing.T) {
            l := License{Mode: test.t}
            assert.Equal(t, test.expected, l.Is(test.query))
        })
    }
}
func TestIsActive(t *testing.T) {
    tests := []struct {
        name     string
        l        License
        expected bool
    }{
        name: "active",
        l: License{Status: Active},
        expected: true,
    },
    name: "inactive",
    l: License{Status: Inactive},
    expected: false,
    }

    for _, test := range tests {
        t.Run(test.name, func(t *testing.T) {
            assert.Equal(t, test.expected, test.l.IsActive())
        })
    }
}

func TestIsTrial(t *testing.T) {
    tests := []struct {
        name     string
        l        License
        expected bool
    }{
        name: "is a trial license",
        l: License{Mode: Trial},
        expected: true,
    },
    name: "is not a trial license",
    l: License{Mode: Basic},
    expected: false,
    }

    for _, test := range tests {

t.Run(test.name, func(t *testing.T) {
    assert.Equal(t, test.expected, test.l.IsTrial())
})
}

func TestIsTrialExpired(t *testing.T) {
    tests := []struct {
        name     string
        L        License
        expected bool
    }{
        name:  "trial is expired",
        L:      License{Mode: Trial, TrialExpiry: expiryTime(time.Now().Add(-2 * time.Hour))},
        expected: true,
    },
    name:  "trial is not expired",
    L:      License{Mode: Trial, TrialExpiry: expiryTime(time.Now().Add(2 * time.Minute))},
    expected: false,
},
    name:  "license is not on trial",
    L:      License{Mode: Basic, TrialExpiry: expiryTime(time.Now().Add(2 * time.Minute))},
    expected: false,
}

for _, test := range tests {
    t.Run(test.name, func(t *testing.T) {
        assert.Equal(t, test.expected, test.l.IsTrialExpired())
    })
}
}

procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package licenser
import (
    "time"
)

// License represents the license of this beat, the license is fetched and returned from
// the elasticsearch cluster.
//
// The x-pack endpoint returns the following JSON response.
//
// "license": {
//   "uid": "936183d8-f48c-4a3f-959a-a52aa2563279",
//   "type": "platinum",
//   "mode": "platinum",
//   "status": "active"
// },
//
// Definition:
// type is the installed license.
// mode is the license in operation. (effective license)
// status is the type installed is active or not.
type License struct {
    UUID        string      `json:"uid"`
    Type        LicenseType `json:"type"`
    Mode        LicenseType `json:"mode"`
    Status      State       `json:"status"`
    Features    features    `json:"features"`
    TrialExpiry expiryTime  `json:"expiry_date_in_millis,omitempty"`
}

// Features defines the list of features exposed by the elasticsearch cluster.
type features struct {
    Graph      graph      `json:"graph"`
    Logstash   logstash   `json:"logstash"`
    ML         ml         `json:"ml"`
    Monitoring monitoring `json:"monitoring"`
    Rollup     rollup     `json:"rollup"`
    Security   security   `json:"security"`
    Watcher    watcher    `json:"watcher"`
}

type expiryTime time.Time

// Base define the field common for every feature.
type Base struct {
    Enabled   bool `json:"enabled"`
    Available bool `json:"available"`
}
// Defines all the available features
type graph struct{*Base}
type logstash struct{*Base}
type ml struct{*Base}
type monitoring struct{*Base}
type rollup struct{*Base}
type security struct{*Base}
type watcher struct{*Base}

// Get return the current license
func (l *License) Get() LicenseType {
    return l.Mode
}

// Cover returns true if the provided license is included in the range of license.
//
// Basic -> match basic, gold and platinum
// gold -> match gold and platinum
// platinum -> match platinum only
func (l *License) Cover(license LicenseType) bool {
    if l.Mode >= license {
        return true
    }
    return false
}

// Is returns true if the provided license is an exact match.
func (l *License) Is(license LicenseType) bool {
    return l.Mode == license
}

// IsActive returns true if the current license from the server is active.
func (l *License) IsActive() bool {
    return l.Status == Active
}

// IsTrial returns true if the remote cluster is in trial mode.
func (l *License) IsTrial() bool {
    return l.Mode == Trial
}

// IsTrialExpired returns false if the we are not in trial mode and when we are in trial mode
// we check for the expiry data.
func (l *License) IsTrialExpired() bool {
    if !l.IsTrial() {
        return false
    }
}
if time.Time(l.TrialExpiry).Sub(time.Now()) > 0 {
    return false
}

return true

// EqualTo returns true if the two license are the same, we compare license to reduce the number // message send to the watchers.
func (l *License) EqualTo(other *License) bool {
    return l.UUID == other.UUID &&
    l.Type == other.Type &&
    l.Mode == other.Mode &&
    l.Status == other.Status
}

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abrarshivani <abrarshivani@users.noreply.github.com>
Alvaro Miranda <kikitux@gmail.com>
amandahla <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla@vmware.com>
Andrew Chin <andrew@andrewtchin.com>
aniketGslab <aniket.shinde@gslab.com>
Arran Walker <arran.walker@zopa.com>
Aryeh Weinreb <aryehweinreb@gmail.com>
Austin Parker <aparker@apprenda.com>
Balu Dontu <bdontu@vmware.com>
bastienbc <bastien.barbe.creuly@gmail.com>
Bob Killen <killen.bob@gmail.com>
Brad Fitzpatrick <bradfitz@golang.org>
Bruce Downs <bruceadowns@gmail.com>
Cdric Blomart <cbalomart@gmail.com>
Christian Hltje <docwhat@gerf.org>
Clint Greenwood <cgreenwood@vmware.com>
Danny Lockard <danny.lockard@banno.com>
Dave Tucker <dave@dtucker.co.uk>
Davide Agnello <dagnello@hp.com>
David Stark <dave@davidsdark.name>
Doug MacEachern <dougm@vmware.com>
Eloy Coto <eloy.coto@gmail.com>
Eric Gray <egray@vmware.com>
Eric Yutao <eric.yutao@gmail.com>
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// Derived from FUSE's fuse_kernel.h
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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).
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* Chris McCoy (lofidellity)
* Colin Surprenant (colinsurprenant)
* JeremyEinfeld
* John E. Vincent (lusis)
* Jordan Sissel (jordansissel)
* Kurt Hurtado (kurtado)
* Nick Ethier (nickethier)
* Pete Fritchman (fetep)
* Pier-Hugues Pellerin (ph)
* Richard Pijnenburg (electrical)
* Suyog Rao (suyograo)
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* Guy Boertje (guyboertje)

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1.2103 musl 1.1.22-r3

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Authors/contributors include:

A. Wilcox
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley
Anthony G. Basile
Aric Belsito
Arvid Picciani
Bartosz Brachaczek
orc
Pascal Cuoq
Patrick Oppenlander
Petr Hosek
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Pierre Carrier
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Richard Pennington
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sin
Solar Designer
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1.2104 findutils 4.6.0+git+20161106 2

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache
The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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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.
1.2128 runc 0.0.0

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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Andres Erbsen <andreser@google.com>
Andrew Balholm <andybalholm@gmail.com>
Andrew Bonventre <andybons@chromium.org>
Andrew Bursavich <abursavich@gmail.com>
Andrew Ekstedt <andrew.ekstedt@gmail.com>
Andrew Etter <andrew.etter@gmail.com>
Andrew Gerrand <adg@golang.org>
Andrew Harding <andrew@spacemonkey.com>
Andrew Lutomirski <andy@luto.us>
Andrew Pilloud <andrewpiloud@igneoussystems.com>
Andrew Pritchard <awpritchard@gmail.com>
Andrew Radev <andrey.radev@gmail.com>
Andrew Skiba <skibaa@gmail.com>
Andrew Szeto <andrew@jabagawee.com>
Andrew Wilkins <axwalk@gmail.com>
Andrew Williams <williams.andrew@gmail.com>
Andrey Mirtchovski <mirtchovski@gmail.com>
Andrey Petrov <andrey.petrov@shazor.net>
Andriy Lytvynov <lytvynov.a.v@gmail.com>
Andy Balholm <andy@balholm.com>
Andy Davis <andy@bigandian.com>
Andy Maloney <asmalone@gmail.com>
Anfernee Yongkun Gui <anfernee.gui@gmail.com>
Angelo Bulfone <mbulfone@gmail.com>
Anh Hai Trinh <anh.hai.trinh@gmail.com>
Anmol Sethi <anmol@aubble.com>
Anschel Schaffer-Cohen <anschelsc@gmail.com>
Anthony Canino <anthony.canin01@gmail.com>
Anthony Eufemia <anthony.eufemia@gmail.com>
Anthony Martin <ality@pbrane.org>
Anthony Starks <ajstarks@gmail.com>
Apisak Darakananda <pongad@gmail.com>
Aram Hvrneanu <aram@mgk.ro>
Areski Belaid <areski@gmail.com>
Arkadi Pyuro <arkadi@google.com>
Arnaud Ysma <arnaud.ysma@gmail.com>
Arne Hormann <arnehormann@gmail.com>
Arnout Engelen <arnout@bzzt.net>
Aron Nopanen <aron.nopanen@gmail.com>
Artyom Pervukhin <artyom.pervukhin@gmail.com>
Arvindh Rajesh Tamilmani <art@a-30.net>
Asim Shankar <asimshankar@gmail.com>
Ato Araki <ato.araki@gmail.com>
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Austin Clements <austin@google.com> <aclements@csail.mit.edu>
awaw fumin <awawfumin@gmail.com>
Aymerick Jhanne <aymerick@jehanne.org>
Balazs Lecz <leczb@google.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
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Brad Fitzpatrick <brad@bradfitz@gmail.com>
Brad Garcia <bgarcia@golang.org>
Brandon Gilmore <varz@gmail.com>
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Brian Delligi <brian+c@stanford.edu>
Brian G. Merrell <bgmerrell@gmail.com>
Brian Gitonga Marete <marete@toshnix.com> <bgm@google.com> <bgm@google.com>
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Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Ivan Krasin <krasin@golang.org>
Ivan Ukhov <ivan.ukhov@gmail.com>
Jacob Baskin <jbaskin@google.com>
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James Aguilar <jaguilar@google.com>
James David Chalfant <james.chalfant@gmail.com>
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James Schofield <james@shoeboxapp.com>
James Sweet <james.sweet88@googlemail.com>
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James Tucker <raggi@gmail.com>
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Jaroslavas Poepko <jp@webmaster.ms>
Jason Del Ponte <delponteje@gmail.com>
Jason Hall <jasonhall@google.com>
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Jay Weisskopf <jay@jayschwa.net>
Lai Jiangshan <eag0628@gmail.com>
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Larz Conwell <larzconwell@gmail.com>
Lee Packham <lpackham@gmail.com>
Lewin Bormann <lewin.bormann@gmail.com>
Lloyd Dewolf <foolswisdom@gmail.com>
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Luca Greco <luca.greco@alcacoop.it>
Lucien Stuker <lucien.stuker@gmail.com>
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Luit van Drongelen <luitvd@gmail.com>
Luka Zakrajek <tr00.g33k@gmail.com>
Luke Curley <qpingu@gmail.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Mal Curtis <mal@mal.co.nz>
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>
Manu Garg <manugarg@google.com>
Manu S Ajith <neo@codingarena.in>
Manuel Mendez <mmandez534@gmail.com>
Marc Weistroff <marc@weistroff.net>
Marcel van Lohuizen <mpvl@golang.org>
Marco Hennings <marco.hennings@freiheit.com>
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Mark Theunissen <mark.theunissen@gmail.com>
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Marko Mikulicic <mkm@google.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <marraison@gmail.com>
Markus Zimmermann <zimmski@gmail.com>
Martin Mohrmann <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsson <martin@minimum.se>
Marvin Stenger <marvin.stenger94@gmail.com>
Mateusz Czapinski <czapkofan@gmail.com>
Mathias Beke <git@denbeke.be>
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>
Matt Aimonetti <mattaimonetti@gmail.com>
Matt Bostock <matt@mattbostock.com>
Matt Brown <mdbrown@google.com>
Matt Drollette <matt@drollette.com>
Quoc-Viet Nguyen <afelion@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Raif S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Ralph Corderoy <ralph@inputplus.co.uk>
Raph Levien <raph@google.com>
Raul Silvera <rsilvera@google.com>
Reinaldo de Souza Jr <juniorz@gmail.com>
Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>
Richard Barnes <rlb@ipv.sx>
Richard Crowley <r@rcrowley.org>
Richard Eric Gavaletz <gavaletz@gmail.com>
Richard Musiol <mail@richard-musiol.de> <neelance@gmail.com>
Rick Arnold <rickarnoldjr@gmail.com>
Rick Hudson <rlh@golang.org>
Risto Jaakko Saarelma <rsaarelm@gmail.com>
Rob Earhart <earhart@google.com>
Rob Norman <rob.norman@infinitycloud.com>
Rob Pike <r@golang.org>
Robert Daniel Kortchak <dan.kortchak@adelaide.edu.au>
Robert Dinu <r@varp.se>
Robert Figueiredo <robfig@gmail.com>
Robert Griesemer <gri@golang.org>
Robert Hencke <robert.hencke@gmail.com>
Robert Iannucci <iannucci@google.com>
Robert Obryk <robryk@gmail.com>
Robert Sesek <rsesek@gmail.com>
Robert Snedegar <roberts@google.com>
Robert Stepanek <robert.stepanek@gmail.com>
Robin Eklind <r.eklind.87@gmail.com>
Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>
Rodrigo Rafael Monti Kochenburger <divoxx@gmail.com>
Roger Pau Monn <royger@gmail.com>
Roger Peppe <rogpeppe@gmail.com>
Ron Hashimoto <mail@h2so5.net>
Ron Minnich <rminnich@gmail.com>
Ross Light <light@google.com> <rlight2@gmail.com>
Rowan Worth <sqweek@gmail.com>
Rui Ueyama <ruui@gmail.com>
Russ Cox <rsc@golang.org>
Russell Haering <russelthaering@gmail.com>
Ryan Barrett <ryanb@google.com>
Ryan Brown <ribrdb@google.com>
Ryan Hitchman <hitchmanr@gmail.com>
Ryan Lower <rplower@gmail.com>
Ryan Seys <ryan@ryanseys.com>
Ryan Slade <ryanlsale@gmail.com>
S.alar Onur <caglar@10ur.org>
Salmn Aljammz <s@0x65.net>
Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>
Sanjay Menakuru <balasanjay@gmail.com>
Sasha Lionheart <lionhearts@google.com>
Scott Barron <scott.barron@github.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottvw@google.com>
Sean Burford <sburford@google.com>
Sean Dolphin <Sean.Dolphin@kpcompass.com>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien.paolacci@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergey ‘SnakE’ Gromov <snake.scaly@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergio Luis O. B. Correia <sergio@correia.cc>
Seth Hoenig <seth.a.hoenig@gmail.com>
Shane Hansen <shanehansen@gmail.com>
Shaozheng Ding <dsz0111@gmail.com>
Shawn Ledbetter <sledbetter@google.com>
Shawn Smith <shawn.p.smith@gmail.com>
Shawn Walker-Salas <shawn.walker@oracle.com>
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>
Shivakumar GN <shivakumar.gn@gmail.com>
Shun Fan <sfan@gmail.com>
Silvan Jegen <s.jegen@gmail.com>
Simon Whitehead <chemnova@gmail.com>
Sokolov Yura <funny.falcon@gmail.com>
Spencer Nelson <s@spenczar.com>
Spring Mc <heresy.mc@gmail.com>
Srdjan Petrovic <petrovic@google.com>
StalkR <stalkr@stalkr.net>
Stan Schwertly <stan@schwertly.com>
Stefan Nilsson <snilsson@nada.kth.se> <trolleriprofessor@gmail.com>
Stephane Travostino <stephane.travostino@gmail.com>
Stephen Ma <stephenm@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Weinberg <stephen@q5comm.com>
Steve McCoy <mccoyst@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streeting <steve@stevestreeting.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Sugu Sougoumarane <ssougou@gmail.com>
Sven Almgren <sven@tras.se>
Vlad Krasnov <vlad@.cloudflare.com>
Vladimir Nikishenko <vova616@gmail.com>
Volker Dobler <dr.volker.dobler@gmail.com>
Wei Guangjing <vcc.163@gmail.com>
Will Chan <willchan@google.com>
Will Norris <willnorris@google.com>
Willem van der Schyff <willemvds@gmail.com>
William Chan <willchan@chromium.org>
William Josephson <wjosephson@gmail.com>
William Orr <will@worrbase.com> <ay1244@gmail.com>
Xia Bin <snyh@snyh.org>
Xing Xing <mikespook@gmail.com>
Yan Zou <yzou@gmail.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yao Zhang <lunaria21@gmail.com>
Yasuharu Goto <matope.ono@gmail.com>
Yasuhiro Matsumoto <mattn.jp@gmail.com>
Yesudeep Mangalapilly <yesudeep@gmail.com>
Yissakhari Z. Beck <yissakhari.beck@gmail.com>
Yo-An Lin <yoaolin93@gmail.com>
Yongjian Xu <yisd3master@gmail.com>
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yuki Yogui Sonoda <yuguii@google.com>
Yusuke Kagiwada <block.rxckin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
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Gocheck - A rich testing framework for Go

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1.2129 x-text v0.3.3

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1.2130 https-proxy-agent 2.2.4

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https-proxy-agent

=============
### An HTTP(s) proxy `http.Agent` implementation for HTTPS

[![Build Status](https://travis-ci.org/TooTallNate/node-https-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-https-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `https` module.

Specifically, this `Agent` implementation connects to an intermediary "proxy" server and issues the [CONNECT HTTP method][CONNECT], which tells the proxy to open a direct TCP connection to the destination server.

Since this agent implements the CONNECT HTTP method, it also works with other protocols that use this method when connecting over proxies (i.e. WebSockets). See the "Examples" section below for more.

Installation

----------

Install with `npm`:

---
```bash
$ npm install https-proxy-agent
```

## Examples

```
#### `https` module example

```
var url = require('url');
var https = require('https');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTPS endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var options = url.parse(endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var agent = new HttpsProxyAgent(proxy);
options.agent = agent;

https.get(options, function (res) {
    console.log('"response" event!', res.headers);
    res.pipe(process.stdout);
});
```

#### `ws` WebSocket connection example

```
var url = require('url');
var WebSocket = require('ws');
var HttpsProxyAgent = require('https-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
```
var parsed = url.parse(endpoint);
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `HttpsProxyAgent` class with the proxy server information
var options = url.parse(proxy);

var agent = new HttpsProxyAgent(options);

// finally, initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
  console.log("open" event!);
  socket.send('hello world');
});

socket.on('message', function (data, flags) {
  console.log("message" event! %j %j, data, flags);
  socket.close();
});
```

---

### new HttpsProxyAgent(Object options)

The `HttpsProxyAgent` class implements an `http.Agent` subclass that connects to the specified "HTTP(s) proxy server" in order to proxy HTTPS and/or WebSocket requests. This is achieved by using the [HTTP `CONNECT` method][CONNECT].

The `options` argument may either be a string URI of the proxy server to use, or an "options" object with more specific properties:

* `host` - String - Proxy host to connect to (may use `hostname` as well). Required.
* `port` - Number - Proxy port to connect to. Required.
* `protocol` - String - If `https:`, then use TLS to connect to the proxy.
* `headers` - Object - Additional HTTP headers to be sent on the HTTP CONNECT method.
* Any other options given are passed to the `net.connect()`/`tls.connect()` functions.

---

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[CONNECT]: http://en.wikipedia.org/wiki/HTTP_tunnel#HTTP_CONNECT_Tunneling

1.2131 saaj 1.3.28

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization
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* configure.ac, Makefile.am: The original versions were derived from the
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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
3a0982da308228d796df35f98d787c5c8f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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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.

1.2149 unzip 6.0-23+deb10u2

1.2149.1 Available under license:

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There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards,
filename-mapping, text translation, ...; etc.). As far as we can
tell, only the core code of the unreduce method remained substantially
similar to Mr. Smith's original source. As of UnZip 5.42, the complete
core code is now covered by the Info-ZIP Licence. Therefore, support
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* MacBinaryIII.h
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* * Copyright 1997 Christopher Evans (cevans@poppybank.com)* * * Basic encoding and decoding of Macintosh files to the * MacBinary III spec.* * * *------------------------------------------------------------------------------------------------------------------------------- * * This source is copyrighted by Christopher Evans (cevans@poppybank.com) * * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit * * homepage of Leonard Rosenthal leonardr@netcom.com) * *------------------------------------------------------------------------------------------------------------------------------- * * This copyright note does not contain any usage terms. So, we assume * that this code is freely reusable until we are proved wrong... * *-------------------------------------------------------------------------------------------------------------------------------

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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* Jordan Sissel (jordansissel)
* Pier-Hugues Pellerin (ph)
* Richard Pijnenburg (electrical)
* Guy Boertje (guyboertje)

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//
package cloud

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "strings"
    "testing"
)

var sentinels = []string{
    "Copyright",
    "Google",
    "Licensed under the Apache License, Version 2.0 (the "License");",
    "Google",
    "Licensed under the Apache License, Version 2.0 (the "License");",
}

func TestLicense(t *testing.T) {
    t.Parallel()
    skip := map[string]bool{
        // Automatically generated.
        "bigtable/cmd/cbt/cbt/doc.go": true,
        "third_party/pkgsite/print_type.go": true,
        "third_party/pkgsite/synopsis.go": true,
    }
    err := filepath.Walk('.', func(path string, fi os.FileInfo, err error) error {
        if err != nil {
            return err
        }
        if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
return nil

if strings.HasSuffix(path, ".pb.go") {
    // .pb.go files are generated from the proto files.
    // .proto files must have license headers.
    return nil
}

if skip[path] {
    return nil
}

src, err := ioutil.ReadFile(path)
if err != nil {
    return nil
}

src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
    if !bytes.Contains(src, []byte(sentinel)) {
        t.Errorf("%v: license header not present. want %q", path, sentinel)
        return nil
    }
}

return nil

if err != nil {
    t.Fatal(err)
}

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.

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1.2166 govmomi v0.18.0
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*/
package license

import (  "context"  "flag"  "github.com/vmware/govmomi/govc/cli"  "github.com/vmware/govmomi/govc/flags"  "github.com/vmware/govmomi/license"  "github.com/vmware/govmomi/vim25/types"  )
type assign struct {
  *flags.ClientFlag
  *flags.OutputFlag
  *flags.HostSystemFlag
  *flags.ClusterFlag

  name   string
  remove bool
}

func init() {
  cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)

  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)

  cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
  cmd.HostSystemFlag.Register(ctx, f)

  cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
  cmd.ClusterFlag.Register(ctx, f)

  f.StringVar(&cmd.name, "name", "", "Display name")
  f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }

  if err := cmd.HostSystemFlag.Process(ctx); err != nil {
    return err
  }

  return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
  return "KEY"
}
func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }

    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string

    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }

        if cluster == nil {
            // Default to vCenter UUID
            id = client.ServiceContent.About.InstanceUuid
        } else {
            id = cluster.Reference().Value
        }
    } else {
        id = host.Reference().Value
    }
}
if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))
}
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*/
package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag
    feature string
}

func init() {

cli.Register("license.ls", &ls{})
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}
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*/

package license

import (  
"context"  
"flag"  
"fmt"  

"github.com/vmware/govmomi/govc/cli"  
"github.com/vmware/govmomi/govc/flags"  
"github.com/vmware/govmomi/license"  
"github.com/vmware/govmomi/vim25/types"
)

type add struct {
  *flags.ClientFlag  
  *flags.OutputFlag
}

func init() {
  cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)

  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }
  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }
  return nil
}
func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //   To specify the edition type and any optional functions, use
    //   updateLicense for ESX Server and addLicense follow by
    //   LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    addFunc := func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
        switch t := client.ServiceContent.About.ApiType; t {
        case "HostAgent":
            addFunc = m.Update
        case "VirtualCenter":
            addFunc = m.Add
        default:
            return fmt.Errorf("unsupported ApiType: %s", t)
        }

        result := make(licenseOutput, 0)
        for _, v := range f.Args() {
            license, err := addFunc(ctx, v, nil)
            if err != nil {
                return err
            }
            result = append(result, license)
        }

        return cmd.WriteResult(licenseOutput(result))
    }

    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    return cmd.WriteResult(licenseOutput(result))
}

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package simulator

import (
    "context"
    "reflect"
    "testing"
    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()
    defer m.Remove()
    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }
    s := m.Service.NewServer()
    defer s.Close()
c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
am, err := lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }
    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
m := ESX()

defer m.Remove()

er := m.Create()
if er != nil {
    t.Fatal(er)
}

s := m.Service.NewServer()
defer s.Close()

c, er := govmomi.NewClient(ctx, s.URL, true)
if er != nil {
    t.Fatal(er)
}

lm := license.NewManager(c.Client)
_, er = lm.AssignmentManager(ctx)
if er == nil {
    t.Fatal("expected error")
}

la, er := lm.List(ctx)
if er != nil {
    t.Fatal(er)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
m := ESX()

defer m.Remove()

er := m.Create()
if er != nil {
    t.Fatal(er)
}
s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
t.Fatal(err)
}

lm := license.NewManager(c.Client)
key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}

info, err := lm.Add(ctx, key, labels)
if err != nil {
t.Fatal(err)
}
if info.LicenseKey != key {
t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}
if len(info.Labels) != len(labels) {
t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}
if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
t.Fatalf("expect label to be {key:value}; got {%s:%s}", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
t.Fatal(err)
}
if len(la) != 2 {
t.Fatal("no licenses")
}
if la[1].LicenseKey != key {
t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}
if len(la[1].Labels) != len(labels) {
t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}",
        la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

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package simulator

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    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature", Value: types.KeyValue{
    }}
}

Key: "serialuri:2",
Value: "Remote virtual Serial Port Concentrator",
},
},
{
Key: "feature",
Value: types.KeyValue{
Key: "dvs",
Value: "vSphere Distributed Switch",
},
},
},
},
}

type LicenseManager struct {
mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{ }
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{ }).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels: req.Labels,
    })
body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
body := &methods.RemoveLicenseBody{
Res: &types.RemoveLicenseResponse{},
}

for i, license := range m.Licenses {
if req.LicenseKey == license.LicenseKey {
    m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
    return body
}
}
return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
body := &methods.QueryAssignedLicensesBody{
Res: &types.QueryAssignedLicensesResponse{},
}

// EntityId can be a HostSystem or the vCenter InstanceUuid
if req.EntityId != "" {
    id := types.ManagedObjectReference{
        Type: "HostSystem",
        Value: req.EntityId,
    }
    if Map.Get(id) == nil {
        return body
    }
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    {EntityId: req.EntityId,
        AssignedLicense: EvalLicense,
    },
}
func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense
    info.LicenseKey = key
    info.Labels = labels
    return info
}
*/

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*/

decode struct {
    *flags.ClientFlag
    *flags.OutputFlag
    feature string
}

func init() {
cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    result = result.WithFeature(cmd.feature)
    return nil
}
return cmd.WriteResult(licenseOutput(result))
}

# People who can (and typically have) contributed to this repository.
#
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#

Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
akutz <sakutz@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbozhenko@fb.com>
Alvaro Miranda <kikitux@gmail.com>
amandahla <amanda.andrade@serpro.gov.br>
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla@.vmware.com>
amit bezalel <amit.bezalel@hpe.com>
Andrew Chin <andrew@andrewtchin.com>
Anfernee Yongkun Gui <agui@vmware.com>
aniketGslab <aniket.shinde@gslab.com>
Arran Walker <arran.walker@zopa.com>
Aryeh Weinreb <aryehweinreb@gmail.com>
Austin Parker <aparker@apprenda.com>
Balu Dontu <bdontu@vmware.com>
bastienbc <bastien.barbe.creuly@gmail.com>
Bob Killen <killen.bob@gmail.com>
Brad Fitzpatrick <bradfitz@golangle.org>
Bruce Downs <bruceadowns@gmail.com>
Cdric Blomart <cblomart@gmail.com>
Chris Marchesi <cmarc@gmail.com>
Christian Hltje <christian.hltje@gmail.com>
Clint Greenwood <cgreenwood@vmware.com>
Danny Lockard <danny.lockard@banno.com>
Dave Tucker <dave@dtucker.co.uk>
Davide Agnello <dagnello@hp.com>
David Stark <davistark@davidstark.name>
Deric Crago <deric.crago@gmail.com>
Doug MacEachern <dougm@vmware.com>
Eloy Coto <elojco@github.com>
Eric Gray <egray@vmware.com>
Eric Yutao <eric.yutao@gmail.com>
Erik Hollensbe <erik.hollensbe@gmail.com>
Fabio Rapposelli <fabio@vmware.com>
Faiyaz Ahmed <ahmedf@vmware.com>
forkbomber <forkbomber@users.noreply.github.com>
Gavin Gray <gavin@infinio.com>
Gavrie Philipson <gavrie.philipson@elastifile.com>
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*/

package license
import (  
  "context"
  "strconv"
  "strings"
)

"github.com/vmware/govmomi/object"
"github.com/vmware/govmomi/vim25"
"github.com/vmware/govmomi/vim25/methods"
"github.com/vmware/govmomi/vim25/mo"
"github.com/vmware/govmomi/vim25/types"
)

type Manager struct {  
  object.Common
}

func NewManager(c *vim25.Client) *Manager {  
  m := Manager{  
    object.NewCommon(c, *c.ServiceContent.LicenseManager),
  }
  return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {  
  var r []types.KeyValue
  for k, v := range m {  
    r = append(r, types.KeyValue{Key: k, Value: v})
  }
  return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {  
  req := types.AddLicense{  
    This:       m.Reference(),
    LicenseKey: key,
    Labels:     mapToKeyValueSlice(labels),
  }
  res, err := methods.AddLicense(ctx, m.Client(), &req)
  if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
  }
  return res.Returnval, nil
}
func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }
}
func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]

    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            lf.name = feature
        }
    }

    return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo

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package license

import (  
    "context"  
    "flag"  
    
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"
)

type remove struct {  
    *flags.ClientFlag  
    *flags.OutputFlag  
}

func init() {  
    cli.Register("license.remove", &remove{})
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {  
    if err := cmd.ClientFlag.Process(ctx); err != nil {  
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {  
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {  
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {  
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    client
m := license.NewManager(client)
for _, v := range f.Args() {
    err = m.Remove(ctx, v)
    if err != nil {
        return err
    }
}

return nil
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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"
)

github.com/vmware/govmomi/govc/cli"
github.com/vmware/govmomi/govc/flags"
github.com/vmware/govmomi/license"
github.com/vmware/govmomi/vim25/types"
)

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag
}
func init() {
    cli.Register("license.assigned.ls", &assigned{ })
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }

    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment
func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\\n")
    }
    return tw.Flush()
}

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Paul Borman <borman@google.com>
bmatsuo
shawnps
tory
jboverfelt
dsymonds
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*/

package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

#!/usr/bin/env bats
load test_helper
# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ "$(govc license.ls -json | jq -r .[0].EditionKey)" != "eval" ]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[].| select(.LicenseKey == "$1")"
}

get_property() {
    jq -r ".Properties[].| select(.Key == "$1") | .Value"
}

@test "license.add" {
    esx_env
    verify_evaluation
    run govc license.add -json 00000-00000-00000-00000-000001 00000-00000-000000-000000-00002
    assert_success
    # Expect to see an entry for both the first and the second key
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-000001 <<<${output} | get_property diagnostic)"
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-000002 <<<${output} | get_property diagnostic)"
}

@test "license.remove" {
    esx_env
    verify_evaluation
    run govc license.remove -json 00000-00000-00000-00000-000001
    assert_success
}

@test "license.ls" {
    vcsim_env
    verify_evaluation
    run govc license.ls -json
    assert_success
    # Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<$output | jq -r ".Name")"

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

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"*/

package license

import (  
    "context"  
    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"  
)

type AssignmentManager struct {  
    object.Common  
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {  
    req := types.QueryAssignedLicenses{  
        This:     m.Reference(),  
        EntityId: id,  
    }  
    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)  
    if err != nil {  
        return nil, err  
    }  
    return res.Returnval, nil  
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {  
    req := types.RemoveAssignedLicense{  
        This:     m.Reference(),  
    }  
    res, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)  
    if err != nil {  
        return err  
    }  
    return nil  
}
func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }
    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }
    return &res.Returnval, nil
}

1.2167 libjpeg 6b
1.2167.1 Notifications :
This software is based in part on the work of the Independent JPEG Group.

1.2167.2 Available under license :
The Independent JPEG Group's JPEG software

README for release 6b of 27-Mar-1998

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi,
Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpege, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeeg" and "djpeeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30–44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is
available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from: Literature Department C-Cube Microsystems, Inc. 1778 McCarthy Blvd.
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
================

The “official” archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF.
SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.2168 snappy-java 1.1.0.1

1.2169 is-installed-globally 0.1.0
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1.2170 xorg 7.7+19
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1.2171 lz4-java 1.5.0

1.2172 node.js 10.21.0
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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

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THE C++ WRAPPER FUNCTIONS
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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation
=======================================================================

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# spdx-license-ids

![npm version](https://img.shields.io/npm/v/spdx-license-ids.svg) ![Build Status](https://travis-ci.org/shinnn/spdx-license-ids.svg?branch=master)
license-ids)

A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npm.com/getting-started/what-is-npm):

```shell
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `\<Array\<string\>>`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', 'AFL-1.2', ...]
```

```javascript
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `\<Array\<string\>>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...]
```

```javascript
deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
```

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Tests included here are based on build output generated by the six-speed benchmark suite.

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  'SHA1_ASM',
  'SHA256_ASM',
  'SHA512_ASM',
  'KECCAK1600_ASM',
  'RC4_ASM',
  'MD5_ASM',
  'AESNI_ASM',
  'VPAES_ASM',
  'GHASH_ASM',
  'ECP_NISTZ256_ASM',
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  'POLY1305_ASM',
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validate-npm-package-license
====================================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
    validForNewPackages: true,
    validForOldPackages: true,
    spdx: true
};
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
    valid('Apache 2.0'),
    {
        validForOldPackages: false,
    }
);
validForNewPackages: false,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>",
'license is similar to the valid expression "Apache-2.0"
]
}
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
valid('(GPL-3.0-only OR BSD-2-Clause)'),
validSPDXExpression
);
```

... except if they contain `LicenseRef`

```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>",
]
};
``` 

assert.deepEqual(
valid('LicenseRef-Made-Up'),
warningAboutLicenseRef
);

assert.deepEqual(
valid('(MIT OR LicenseRef-Made-Up)'),
warningAboutLicenseRef
);
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
    valid('SEE LICENSE IN LICENSE.txt'),
    {
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'LICENSE.txt'
    }
);

assert.deepEqual(
    valid('SEE LICENSE IN license.md'),
    {
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'license.md'
    }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
    validForNewPackages: true,
    validForOldPackages: true,
    unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

1.2173 alsa-lib 1.1.8-1

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1.2177 jemalloc 5.2.1

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1.2178 path-is-absolute 1.0.1

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1.2179 sqlite 3.8.10.2

1.2180 azure-sdk-for-go v40.3.0+incompatible
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1.2181 popt 1.16-10+b2
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1.2182 java-cacerts 1.0-r0
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 */

# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=3
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare

    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}'


PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build()
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')</
make
}

check()
make test
}

package()
make DESTDIR="$pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039df754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
 dfa5417f663b8065ba65f4fea16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkpkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/${_pkgname}-${pkgver}

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build()
python3 setup.py build
}

package()
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fffd15
 3f0be1bed746464220d40d9d4dc1b07940ec280f28  flake8-copyright-0.2.2.tar.gz"
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# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
cd "$builddir"
}

package() {
mkdir -p "$pkgdir"
}
_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="Spkgdesc ($type)"
  install_if="Spkgname"
  mkdir -p "$subpkgdir/"usr/share/spdx
  cp -r "$builddir"/Type "$subpkgdir"/usr/share/spdx/
}

list() {
  pkgdesc="Spkgdesc (licence list)"
  mkdir -p "$subpkgdir/"usr/share/spdx
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*/}
    echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
  done
}

sha512sums="24b017bc9b3188710bed1015c1fcd6920e13a44b68c9d6caca129cbf059abbe16d31ae24b7c1714a8273b6f0a1105155b858b4f6ef6d93a76dc4c10f832b12  license-list-data-3.7.tar.gz"

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Version 3, 19 November 2007

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Avoid installing headers with mode 700.

--- a/CMake/utility.cmake
+++ b/CMake/utility.cmake
@@ -165,7 +165,7 @@
     if (NOT ${FULL_HEADER_PATH} MATCHES ".*_p.h$") # we don't want to install header files which are
     install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}"
     PERMISSIONS OWNER_READ)
+    endif()
     endif()
     endforeach()

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 =
builddir="$srcdir/libart_lgpl-$pkgver

prepare() {
 cd "$builddir"
 update_config_sub
default_prepare
}

build() {
 cd "$builddir"
 ./configure
 --build=$CBUILD
 --host=$CHOST
 --prefix=/usr
 make
}

package() {
 cd "$builddir"
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2
 --- a/main.c
 +++ b/main.c
 @@ -33,7 +33,7 @@
 #include "extern.h"

 #define AGREEMENT "https://letsencrypt.org" 

#define SSL_DIR "/etc/ssl/acme"
#define SSL_PRIV_DIR "/etc/ssl/acme/private"
#define ETC_DIR "/etc/acme"
mini_sendmail - accept email on behalf of real sendmail

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1.2183 read-cmd-shim 1.0.5
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1.2185 kerberos 1.15 1+deb9u1

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    cmd/kgb5/slave/kpropd_rpc.c
    lib/gss_mechs/mech_krb5/et/kdb5_err.c
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    lib/gss_mechs/mech_spnego/mech/spnego_mech.c
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    lib/kgb5/kdb/kdb_convert.c
    lib/kgb5/kdb/kdb_hdr.h
    lib/kgb5/kdb/kdb_log.c
    lib/kgb5/kdb/kdb_log.h
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    lib/libgss/g_initialize.c
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    lib/libgss/g_inquire_names.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in include the following files:

- lib/gssapi/gssapi_err_generic
- lib/gssapi/mechglue/g_accept_sec_context
- lib/gssapi/misc/gssapi
- src/lib/gssapi/gssapi_err
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
- src/lib/gssapi/gssapi
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.et
<kprop/kpropd_rpc.c
<kprop/kproplog.c
```

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   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   lib/gssapi/mechglue/g_delete_sec_context.c
   lib/gssapi/mechglue/g_dsp_name.c
   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
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.. parsed-literal::

   include/iprop_hdr.h
   admin/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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   kprop/kpropd_rpc.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
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 os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        text_seen = True
        if indicates_license(line):
            if nonlicense_seen:
                is_license = True
            else:
                code_seen = True
                nonlicense_seen = True
    return code_seen and nonlicense_seen and is_license

# 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:
        text_seen = True
        if indicates_license(line):
            if nonlicense_seen:
                is_license = True
            else:
                code_seen = True
                nonlicense_seen = True
    return code_seen and nonlicense_seen and is_license
if not is_license and indicates_license(line):
is_license = True
if text_seen:
warn(fname, ln, 'License begins after first line of comment')
elif code_seen:
warn(fname, ln, 'License after code')
elif nonlicense_seen:
warn(fname, ln, 'License after non-license comments')
break
# DB2 licenses start with '/*-' and we don't want to change them.
if line != '' and line != '-':
text_seen = True
return is_license
def check_file(lines, fname):
# Skip emacs mode line if present.
ln = 0
if '-*- mode: c;' in lines[ln]:
ln += 1
# Check filename comment if present.
m = re.match(r'/\* ([^ ]*)( - .*)? \*/', lines[ln])
if m:
if m.group(1) != fname:
warn(fname, ln, 'Wrong filename in comment')
ln += 1
# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
# Strip out whitespace and comments contained within a line.
if not in_comment:
line = re.sub(r'/\*.*?\*/', '', line)
line = line.strip()
if not in_comment and '/*' in line:
(line, sep, comment_part) = line.partition('/*')
comment = [comment_part.strip()]
comment_starts_at = ln
in_comment = True
elif in_comment and '*/' not in line:
comment.append(line.lstrip('*').lstrip())
elif in_comment:
(comment_part, sep, line) = line.partition('*/')
comment.append(comment_part.strip())
is_license = check_comment(comment, fname, comment_starts_at,

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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)
.. _mitK5license:

MIT Kerberos License information
================================
.. toctree::
   :hidden:
   copyright.rst

.. include:: notice.rst
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==========

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1.2186 activation 1.2.1
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1.2187 jackson-module-parameter-names 2.9.8

1.2188 abbot-go-http-auth v0.4.0
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1.2189 leveldb 0.5

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
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============================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
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The `random' module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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Matthias Klose <doko@ubuntu.com>
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  Found in path(s):
  * /opt/cola/permits/1119683421_1609741336.94/0/accessor-smart-1-2-sources-3-
    jar/net/minidev/asm/BeansAccess.java
  * /opt/cola/permits/1119683421_1609741336.94/0/accessor-smart-1-2-sources-3-
    jar/net/minidev/asm/DynamicClassLoader.java
  * /opt/cola/permits/1119683421_1609741336.94/0/accessor-smart-1-2-sources-3-
    jar/net/minidev/asm/Accessor.java
  * /opt/cola/permits/1119683421_1609741336.94/0/accessor-smart-1-2-sources-3-
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Zstd-jni: JNI bindings to Zstd Library

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lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TTThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTTransport.cs
lib/csharp/src/Transport/TTTransportException.cs
lib/csharp/src/Transport/TTTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

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 L. Peter Deutsch
 ghost@aladdin.com
 */

---------------------------------------------------

For the lib/rb/setup.rb: Copyright (c) 2000-2005 Minero Aoki, lib/ocaml/OCamlMakefile and lib/ocaml/README-OCamlMakefile components:

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Markus F.X.J. Oberhumer                   Laszlo Molnar
markus.oberhumer@jk.uni-linz.ac.at        ml1050@cdata.tvnet.hu

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Description: Makes the generated copyright headers reproducible
Author: Emmanuel Bourg <ebourg@apache.org>
Forwarded: no
---
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;
private static int getYear() {
    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"), Locale.US).get(Calendar.YEAR);
    Date date = new Date();
    if (System.getenv("SOURCE_DATE_EPOCH") != null) {
        date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));}
    }
    GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
    calendar.setTime(date);
    return calendar.get(Calendar.YEAR);
}
// no instantiation
---
import java.time.ZonedDateTime;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.TreeMap;
/**
 * @param @ -225,8 +229,15 */
private static String getOpenJDKCopyright() {
    int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
    Date date = new Date();
    if (System.getenv("SOURCE_DATE_EPOCH") != null) {
        date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));}
    }
    
    GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
    calendar.setTime(date);
    
    int year = calendar.get(Calendar.YEAR);
    return String.format(Locale.US, COPYRIGHT, year);
}

1.2233 tar 1.30+dfsg 6

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1.2238 google-golang-org-genproto v0.0.0-20190819201941-24fa4b261c55

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1.2240 logstash-filter-memcached 0.1.2

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1.2242 antlr-runtime 4.5.3

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1.2244 errors 0.8.1
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1.2245 c3p0 0.9.5.2

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1.2246 ow2-orchestra-eclipse-equinox-app

1.3.100

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making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any
associated interface definition files, plus the scripts used to
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operating system on which the executable runs, unless that component
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Appendix: How to Apply These Terms to Your New Programs

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.2270 jackson-dataformat-csv 2.10.5
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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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1.2271 koofr-go-httpclient v0.0.0-20200420163713-93aa7c75b348

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1.2272 simple-xml 1.1.5

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# License:: Distributes under the same terms as Ruby.

Found in path(s):
* /opt/cola/permits/1156528636_1619204971.1/0/xml-simple-1-1-5-gem/data-tar-gz/lib/xmlsimple.rb

1.2273 bolt v1.3.4

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
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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
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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M. Welsh, 6 July 1996

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1.2286 libcap-ng 0.7.7-3+b1

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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</tbody>
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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.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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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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 */

Found in path(s):
* /opt/cola/permits/1124222459_1611010451.66/0/ingest-geoip-6-8-12-sources-1-
  jar/org/elasticsearch/ingest/geoip/IngestGeoIpPlugin.java
* /opt/cola/permits/1124222459_1611010451.66/0/ingest-geoip-6-8-12-sources-1-
  jar/org/elasticsearch/ingest/geoip/GeoIpProcessor.java
* /opt/cola/permits/1124222459_1611010451.66/0/ingest-geoip-6-8-12-sources-1-
  jar/org/elasticsearch/ingest/geoip/DatabaseReaderLazyLoader.java

1.2304 acl 2.2.52 3+b1

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1.2313 jetty-io 9.4.16.v20190411

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

-----

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

-----

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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1.2314 regexp 2.7.2

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Found in path(s):
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/CharacterIterator.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RE.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/recompile.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RESyntaxException.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REProgram.java
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* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REDemo.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/StringCharacterIterator.java

1.2315 es6-promisify 5.0.0

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1.2316 angle 31.6.0-2.el7_1

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1.2317 diffutils 3.7 3

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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Alain Vongsouvanhalainv <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@google.com>
Kostik Shtoyk <kostik@google.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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---

layout: "api"
page_title: "`/sys/license` - HTTP API"
sidebar_title: "<code>/sys/license</code>"
sidebar_current: "api-http-system-license"
description: |
The `/sys/license` endpoint is used to view and update the license used in Vault.

---

# `/sys/license`

~> **Enterprise Only** These endpoints require Vault Enterprise.

The `/sys/license` endpoint is used to view and update the license used in Vault.

## Read License

This endpoint returns information about the currently installed license.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Sample Request

```
$ curl 
   --header "X-Vault-Token: ..." 
   http://127.0.0.1:8200/v1/sys/license
```
## Install License

This endpoint is used to install a license into Vault.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/sys/license</code></td>
</tr>
</tbody>
</table>

### Parameters

- `text` *(string: <required>)* - The text of the license.

*DR Secondary Specific Parameters*

- `dr_operation_token` *(string: <required>)* - DR operation token used to authorize this request.

### Sample Payload

```json
{
    "text": "01ABCDEFG..."
}
```

### Sample Request

```
$ curl \
    --header "X-Vault-Token: ..." \
    \
    ```
--request PUT
--data @payload.json
http://127.0.0.1:8200/v1/sys/license

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BSON library for Go

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mgo - MongoDB driver for Go

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"`
    Path *string `json:"path,omitempty"`
}
SHA      *string `json:"sha,omitempty"`
Size     *int  `json:"size,omitempty"`
URL      *string `json:"url,omitempty"`
HTMLURL  *string `json:"html_url,omitempty"`
GitURL   *string `json:"git_url,omitempty"`
DownloadURL *string `json:"download_url,omitempty"`
Type     *string `json:"type,omitempty"`
Content  *string `json:"content,omitempty"`
Encoding *string `json:"encoding,omitempty"`
License  *License `json:"license,omitempty"`
}

func (l RepositoryLicense) String() string {
return Stringify(l)
}

// License represents an open source license.
type License struct {
Key     *string `json:"key,omitempty"`
Name    *string `json:"name,omitempty"`
URL     *string `json:"url,omitempty"`
SPDXID  *string   `json:"spdx_id,omitempty"`
HTMLURL *string   `json:"html_url,omitempty"`
Featured *bool    `json:"featured,omitempty"`
Description *string `json:"description,omitempty"`
Implementation *string `json:"implementation,omitempty"`
Permissions  *[]string `json:"permissions,omitempty"`
Conditions   *[]string `json:"conditions,omitempty"`
Limitations  *[]string `json:"limitations,omitempty"`
Body        *string   `json:"body,omitempty"`
}

func (l License) String() string {
return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
req, err := s.client.NewRequest("GET", "licenses", nil)
if err != nil {
return nil, nil, err
}

var licenses []*License
resp, err := s.client.Do(ctx, req, licenses)
if err != nil {
    return nil, resp, err
}

return licenses, resp, nil

// Get extended metadata for one license.

// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dschultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
Tamir Duberstein <tamird@gmail.com>
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// Features is a bitmask of feature flags
type Features uint

const FeatureNone Features = 0

func (f Features) HasFeature(flag Features) bool {
    return false
}

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* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/context/jts/JtsSpatialContext.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/shape/Circle.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/package-info.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/shape/jts/JtsGeometry.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/io/LegacyShapeReader.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/context/SpatialContext.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
  jar/org/locationtech/spatial4j/shape/impl/GeoCircle.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4-
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* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/io/ShapeIO.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/shape/BaseShape.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/io/jts/JtsGeoJSONWriter.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/io/WKTWriter.java
* /opt/cola/permits/1136404733_1613763670.46/0/spatial4j-0-7-sources-4.jar/org/locationtech/spatial4j/shape/ShapeFactory.java
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1.2328 bouncy-castle 1.60

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1.2329 google-api-go-client v0.29.0

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
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Kunpei Sakai <kunpei@gmail.com>
Matthew Dolan <dolan@lightstep.com>
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Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
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package api

import {
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
"

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(\)\*( All rights reserved\)\*(//|#) Use of this source code is governed by a BSD-style
(//|#) license that can be found in the LICENSE file.
`) const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }
        if err != nil {
            return err
        }
        return filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
            if skip[path] {
                return nil
            }
            if err != nil {
                return err
            }
if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
  return nil
}

src, err := ioutil.ReadFile(path)
if err != nil {
  return nil
}

// Verify that the license is matched.
if !sentinel.Match(src) {
  t.Errorf("%v: license header not present", path)
  return nil
}

// Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
  t.Errorf("%v: license header not at the top", path)
}
return nil
})
if err != nil {
  t.Fatal(err)
}

1.2330 containernetworking-cni v0.8.0
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1.2331 logstash-output-file 4.2.6

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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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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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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
In order to use this stub, the following makefile variables must be defined.

```
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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### ASM

ASM: a very small and fast Java bytecode manipulation framework

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* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/Comparator.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/JmesPathVisitor.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/NumericComparator.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/InvalidTypeException.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpGreaterThan.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpLessthanOrEqualTo.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpLessThan.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpNotEquals.java
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jar/com/amazonaws/jmespath/JmesPathFilter.java
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jar/com/amazonaws/jmespath/JmesPathLengthFunction.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpEquals.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpGreaterThanOrEqual.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpGe.java
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-
jar/com/amazonaws/jmespath/OpGe.java
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Found in path(s):
* /opt/cola/permits/1138888562_1614360423.44/0/jmespath-java-1-11-406-sources-1-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.2351 yajl 2.0.4 4.el7

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1.2353 jetty-http 9.4.33.v20201020

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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procfs provides functions to retrieve system, kernel and process 
metrics from the pseudo-filesystem proc.

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=======================================

LIBGCrypt    Werner Koch    2001-06-07
Assigns past and future changes.
Assignment for future changes terminated on 2012-12-04.
wk@gnupg.org
Designed and implemented Libgcrypt.

GNUPGMatthew Skala 1998-08-10
Disclaims changes.
mskala@ansuz.sooke.bc.ca
Wrote cipher/twofish.c.

GNUPGNatural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.

GNUPGMichael Roth Germany 1998-09-17
Assigns changes.
mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPGNiklas Hernaeus 1998-09-18
Disclaims changes.
hn@df.lth.se
Weak key patches.

GNUPGRÉmi Guyomarch 1999-05-25
Assigns past and future changes. (g10/compress.c, g10/encr-data.c,
g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
rguyom@mail.dotcom.fr

ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
Assigns past and future changes.
twoaday@freakmail.de

LIBGCRYPT Simon Josefsson 2002-10-25
Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode,
CTS/MAC flags, self test improvements)
simon@josefsson.org

LIBGCRYPT Moritz Schulte 2003-04-17
Assigns past and future changes.
moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

LIBGCRYPT Brad Hards 2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex. added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07
Assigns Past and Future Changes
perky@freebsd.org
(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20
Assigns Past and Future Changes
werner.dittmann@t-online.de
(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw
Assigns past and future changes.
dshaw@jabberwocky.com
(cipher/camellia-glue.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09
Assigns Past and Future Changes
openpgp@brainhub.org
(cipher/ec.c and related files)

LIBGCRYPT Ulrich MÅ¼ller 2012-02-15
Assigns Past and Future Changes
ulm@gentoo.org
(Changes to cipher/idea.c and related files)

LIBGCRYPT Vladimir Serbinenko 2012-04-26
Assigns Past and Future Changes
phcoder@gmail.com
(cipher/serpent.c)

Authors with a DCO
=================================

Andrei Scherer <andsch@inbox.com>
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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *
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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS’s install programs.

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-- vile: txtmode file-encoding=utf-8

1.2381 udev 165

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1989
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1.2382 libxext 1.3.4-r0
1.2382.1 Available under license :

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
   

--prefix=/usr
make
}

package() {
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c022f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace7727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
option="!check" # No testsuite
url="https://github.com/savoirfairelinuxflake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
python3 setup.py build
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502f249a9ab1d359f61fa42ebc2b17dd465708894cf82ffd153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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USA

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see http://www.sqlite.org/copyright.html
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
Open Source Used In MSX Platform Infrastructure 4.0.0  27579

(pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
default_prepare

export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
make
}

check() {
make test
}

package() {
make DESTDIR="$pkgdir" install
find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15f6b561a3d0f828df16
dfa5417f663b8065ba65f4eea16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
  cp -r "$builddir"/$_type "$subpkgdir/usr/share/spdx/"
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir/usr/share/spdx"
  local i; for i in $builddir/text/*.txt; do
    local license=${i##*}
    echo ${license%.*} >> "$subpkgdir/usr/share/spdx/license.lst"
  done
}

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {  
        s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)  
    } else {  
        s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)  
    }
    if n.Severity == unsupported {  
        s += "is unsupported by this migration tool in " + n.Version + "."
    } else if n.Severity == newdefault {  
        s += "is added as a default in " + n.Version + "."
    } else {  
        s += "is " + n.Severity + " in " + n.Version + "."
    }
    if n.ReplacedBy != "" {  
        s += fmt.Sprintf(` It is replaced by "%v"`, n.ReplacedBy)
    }
    if n.Additional != "" {  
        s += " " + n.Additional
    }
    return s
}

const (  
// The following statuses are used to indicate the state of support/deprecation in a given release.
  deprecated = "deprecated"  // deprecated, but still completely functional
  ignored    = "ignored"     // if included in the corefile, it will be ignored by CoreDNS
  removed    = "removed"    // completely removed from CoreDNS, and would cause CoreDNS to exit if present in the Corefile
  newdefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present in the corefile.
  unsupported = "unsupported" // the plugin/option is not supported by the migration tool

// The following statuses are used for selecting/filtering notifications
  all = "all" // show all statuses
)

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- Copy files to and from Containers in a cluster

## Copying Container Files

### Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

Copy requires that *tar* be installed in the container image.

Copy a local file to a remote Pod in a cluster.
- Local file format is `"<path>"`
- Remote file format is `"<pod-name>:\<path>"`

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```
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Paul Borman <borman@google.com>
bmatsu
shawnps
theory
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tomb - support for clean goroutine termination in Go.

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Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>
Alex Reece <awreece@gmail.com>
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package simulator

import ( 
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name:       "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "serialuri:2",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "Remote virtual Serial Port Concentrator",
            },
        },
    }
}
type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{
        Self: ref,
        Licenses: []types.LicenseManagerLicenseInfo{EvalLicense}
    }

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{
        }
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:     req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{
        }
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:     req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}
for i, license := range m.Licenses {
    if req.LicenseKey == license.LicenseKey {
        m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)  
        return body
    }
}
return body

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels {
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:]...)  
                } else {
                    label.Value = req.LabelValue
                }
                return body
            }
        }
        license.Labels = append(license.Labels, types.KeyValue{
            Key: req.LabelKey,
            Value: req.LabelValue,
        })

        return body
    }

    body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
    return body
}
type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault
{
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{
        },
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }

    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense
    info-LicenseKey = key
    info.Labels = labels

    return info
}

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procs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
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/*

package license

import (  
  "context"
  "flag"

  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
  "github.com/vmware/govmomi/vim25/types"
)

type assign struct {  
  *flags.ClientFlag  
  *flags.OutputFlag  
  *flags.HostSystemFlag  
  *flags.ClusterFlag

  name   string  
  remove bool
  }

  func init() {  
    cli.Register("license.assign", &assign{ })
  }

  func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)  
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
    cmd.OutputFlag.Register(ctx, f)  
    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)  
    cmd.HostSystemFlag.Register(ctx, f)  
    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)  
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", ", "Display name")  
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
  }
func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }
var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
    if cmd.remove {
        return m.Remove(ctx, id)
    }

    info, err := m.Update(ctx, id, key, cmd.name)
    if err != nil {
        return err
    }

    return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))
}

package license

import (
var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
result, err := m.List(ctx)
if err != nil {
    return err
}

if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}
/*
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*/
package license

import (
    "context"
    "flag"
    "fmt"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{}}
}
func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }
}
result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}
return cmd.WriteResult(licenseOutput(result))

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if !["$(govc license.ls -json | jq -r .[0].EditionKey)" != "eval"]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[].select({LicenseKey == \"$1\"})"
}

get_property() {
    jq -r ".Properties[] | select({Key == \"$1\"}) | .Value"
}

get_label() {
    govc license.ls -json | jq -r ".[].select({LicenseKey == \"$1\") | .Labels[] | select({Key == \"$2\") | .Value"
}

get_nlabel() {
    govc license.ls -json | jq ".[].select({LicenseKey == \"$1\") | .Labels[].Key" | wc -l
}
@test "license.add" {
    esx_env
    verify_evaluation
    run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00000-00002
    assert_success
    # Expect to see an entry for both the first and the second key
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00001 <<<${output} | get_property diagnostic)"
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"

@test "license.remove" {
esx_env
verify_evaluation
run govc license.remove -json 00000-00000-00000-00000-00001
assert_success
}

@test "license.ls" {
vcsim_env
verify_evaluation
run govc license.ls -json
assert_success

# Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<${output} | jq -r ".Name")"
}

@test "license.decode" {
esx_env
verify_evaluation
key=00000-00000-00000-00000-00000
assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
vcsim_env
key=00000-00000-00000-00000-00000
assert_equal 0 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
run govc license.label.set $key foo bar
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal bar "$(get_label $key foo)"

run govc license.label.set $key biz baz
assert_success
run govc license.label.set $key foo bar2
assert_success

assert_equal 2 "$(get_nlabel $key)"
assert_equal bar2 "$(get_label $key foo)"

run govc license.label.set $key foo ""
assert_success

assert_equal 1 "$(get_nlabel $key)"
assert_equal "" "$(get_label $key foo)"
}
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package simulator

import {
// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        
        Key: "feature",
        Value: types.KeyValue{
            Key: "serialuri:2",
            Value: "Remote virtual Serial Port Concentrator",
        },
        
        Key: "feature",
        Value: types.KeyValue{
            Key: "dvs",
            Value: "vSphere Distributed Switch",
        },
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {

body := &methods.AddLicenseBody{
    Res: &types.AddLicenseResponse{},
}

for _, license := range m.Licenses {
    if license.LicenseKey == req.LicenseKey {
        body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
        return body
    }
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
    LicenseKey: req.LicenseKey,
    Labels:     req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
            return body
        }
    }

    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{}

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)

        for j := range license.Labels {
            
        
    
    return body
}
if label.Key == req.LabelKey {
    if req.LabelValue == "" {
        license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
    } else {
        label.Value = req.LabelValue
    }
    return body
}

license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})

return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type:  "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    return body
}
body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    EntityId: req.EntityId,
    AssignedLicense: EvalLicense,
}

return body

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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# People who can (and typically have) contributed to this repository.

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Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
Alessandro Cortiana <alessandro.cortiana@gmail.com>
Alex Bozhenko <alexbozhenko@fb.com>
Alex Ellis (VMware) <alexellis2@gmail.com>
Alvaro Miranda <kikitux@gmail.com>
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>
Amit Bathla <abathla@.vmware.com>
amit bezalel <amit.bezalel@hpe.com>
Andrew <AndrewDi@users.noreply.github.com>
Andrew Chin <andrew@andrewtchin.com>
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package license

import (  
    "context"  
    "flag"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"
)

type label struct {  
    *flags.ClientFlag
}

func init() {  
    cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {  
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {  
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {  
    return "Set license labels."
}

Examples:  
  govcs license.label.set 00000-00000-00000-00000-00000-00000-00000-00000 team cnx # add/set label  
  govcs license.label.set 00000-00000-00000-00000-00000-00000-00000-00000 team "" # remove label  
  govcs license.ls -json | jq ".[] | select(.Labels[].Key == "team") | .LicenseKey"
func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:       m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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*/

package simulator

import {
    "context"
    "reflect"
    "testing"
    "github.com/vmware/govmomi"
func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    am, err := lm.AssignmentManager(ctx)
    if err != nil {
        t.Fatal(err)
    }

    la, err := am.QueryAssigned(ctx, "enoent")
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 0 {
        t.Errorf("unexpected license")
    }

    finder := find.NewFinder(c.Client, false)
    hosts, err := finder.HostSystemList(ctx, "/...")
    if err != nil {
        t.Fatal(err)
    }

    host := hosts[0].Reference().Value

    for _, name := range []string{"", host, vcid} {

la, err = am.QueryAssigned(ctx, name)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
    t.Fatal("invalid license")
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err == nil {
        t.Fatal("expected error")
    }

    la, err := lm.List(ctx)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }
}
if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()
    defer m.Remove()
    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }
    s := m.Service.NewServer()
    defer s.Close()
    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }
    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{"key": "value"}
    info, err := lm.Add(ctx, key, labels)
    if err != nil {
        t.Fatal(err)
    }
    if info.LicenseKey != key {
        t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
    }
    if len(info.Labels) != len(labels) {
        t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
    }
    if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
        t.Fatalf("expect label to be {key:value}; got {%s:%s}", info.Labels[0].Key, info.Labels[0].Value)
    }
}
```
la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 2 {
    t.Fatal("no licenses")
}

if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to \%q; got \%q", 
        key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equeal to \%d; got \%d", 
        len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {\%s:\%s}", 
        la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}
```

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*/

package license

import (  
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {  
*flags.ClientFlag  
*flags.OutputFlag
feature string
}

func init() {
cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)
  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)
  f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }
  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }
  return nil
}

func (cmd *decode) Usage() string {
  return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
  client, err := cmd.Client() 
  if err != nil {
    return err
  }
  m := license.NewManager(client)
  for _, v := range f.Args() {
    license, err := m.Decode(ctx, v)
    if err != nil {
      return err
    }
  }
  result := append(result, license)
  return nil
}
if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

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/

package license

import (
    "context"
    "strconv"
type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        }
    return types.LicenseManagerLicenseInfo{}, nil
}
func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This: m.Reference(),
        LicenseKey: key,
    }

    res, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return res, err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This: m.Reference(),
        LicenseKey: key,
        Labels: mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    return res, err
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}
func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }

    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }

    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }

    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    f := strings.Split(feature, ":")

    If := new(licenseFeature)

    If.name = f[0]

    if len(f) > 1 {
        var err error
        If.level, err = strconv.Atoi(f[1])
        if err != nil {
            If.name = feature
        }
    }

    return If
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        // check feature
    }
    return false
}
kv, ok := p.Value.(types.KeyValue)

if !ok {
    continue
}

lf := parseLicenseFeature(kv.Key)

if lf.name == feature.name && lf.level >= feature.level {
    return true
}

return false

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo

type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList

    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }

    return result
}

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package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ }}
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}


func (cmd *remove) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
  return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
  return err
}
return nil
}

func (cmd *remove) Usage() string {
  return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
  client, err := cmd.Client()
  if err != nil {
    return err
  }
  m := license.NewManager(client)
  for _, v := range f.Args() {
    err = m.Remove(ctx, v)
    if err != nil {
      return err
    }
  }

  return nil
}

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*/

package license
import (  "context"  "flag"  "fmt"  "io"  "os"  "text/tabwriter"

  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
  "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {  *flags.ClientFlag  *flags.OutputFlag

  id string
}

func init() {  cli.Register("license.assigned.ls", &assigned{})
}


  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  cmd.OutputFlag.Register(ctx, f)

  f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {  if err := cmd.ClientFlag.Process(ctx); err != nil {    return err  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {    return err  }

  return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {  client, err := cmd.Client()

  if err != nil {

  }}
m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
for _, v := range res {
    fmt.Fprintf(tw, "%s\t", v.EntityId)
    fmt.Fprintf(tw, "%s\t", v.Scope)
    fmt.Fprintf(tw, "%s\t", v.EntityDisplayName)
    fmt.Fprintf(tw, "%s\t", v.AssignedLicense.LicenseKey)
    fmt.Fprintf(tw, "\n")
}
return tw.Flush()
}

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*/

package license

import (  
   "fmt"  
   "io"  
   "os"  
   "text/tabwriter"

   "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo
func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
"
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {  
    object.Common  
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {  
    req := types.QueryAssignedLicenses{      
        This:     m.Reference(),      
        EntityId: id,      
    }  
    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)  
    if err != nil {  
        return nil, err  
    }
    return res.Returnval, nil  
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {


req := types.RemoveAssignedLicense{
This:     m.Reference(),
EntityId: id,
}

_, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string)
(*types.LicenseManagerLicenseInfo, error) {
req := types.UpdateAssignedLicense{
This:              m.Reference(),
Entity:            id,
LicenseKey:        key,
EntityDisplayName: name,
}

res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
if err != nil {
    return nil, err
}

return &res.Returnval, nil
}

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1.2401 dns v1.1.35

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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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1.2404 dalli 2.7.10

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1.2405 aws-sdk-resources 2.11.540

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.2410 aws-sdk-go v1.34.9

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DOCUMENTATION ROADMAP

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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.
OVERVIEW
========

This package contains C software to implement JPEG image compression and
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"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.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
ltnconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce
"uncompressed GIFs". This technique does not use the LZW algorithm; the
resulting GIF files are larger than usual, but are readable by all standard
GIF decoders.
We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
CompuServe Incorporated. GIF(sm) is a Service Mark property of
CompuServe Incorporated."

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.


(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%
The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the “JFIF” conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.
Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
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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
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.
1.2415 logstash-input-generator 3.0.6

1.2415.1 Available under license:

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The following is a list of people who have contributed ideas, code, bug
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Contributors:
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* Pier-Hugues Pellerin (ph)
* R. Toma (rtoma)
* Richard Pijnenburg (electrical)
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1.2416 sse 0.0.0-20190301062529

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1.2417 tdb 1.3.8

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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
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jar/io/netty/buffer/PoolChunkMetric.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/HeapByteBufUtil.java
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1.2420 purell 1.1.1

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1.2423 standard-as-callback 2.1.0

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1.2424 sorted-union-stream 2.1.3

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1.2425 go-systemd v0.0.0-20190719114852-fd7a80b32e1f

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---------------------------------------------------------------------------
pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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1.2436 google-uuid v1.0.0

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1.2437 python-defaults 2.7.13 2
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sources from ftp.python.org:/pub/python, based on the Debianization by
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--------------------------------------------------------------
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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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2.5.1  2.5   2007  PSF  yes
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2.6   2.5   2008  PSF  yes
2.6.1  2.6   2008  PSF  yes
2.6.2  2.6.1  2009  PSF  yes
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2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes

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1.2440 read-package-json 2.1.1

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    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
                                "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.`
    }
}
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package cmd

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    Licenses["bsd"] = License{
        Name: "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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click initGpl2() {

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    Licenses["apache"] = License{
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        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
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}
}

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package cmd

func initMit() {
    Licenses["mit"] = License{
        Name: "MIT License",
        PossibleMatches: []string{"mit"},
        Header: `Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
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1.2445 jetty-client 9.4.11.v20180605

1.2446 cpp releases-gcc-10.2.0

1.2446.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, D, Fortran 95, Go, Objective-C, Objective-C++, and Modula-2 compilers, documentation, and support libraries. In addition, Debian provides the gm2 compiler, either in the same source package, or built from a separate same source package. Packaging is done by the Debian GCC Maintainers <debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)
svn://gcc.gnu.org/svn/gcc/ (for prereleases)
ftp://sourceware.org/pub/newlib/ (for newlib)
git://git.savannah.gnu.org/gm2.git (for Modula-2)

The current gcc-10 source package is taken from the SVN gcc-10-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

<table>
<thead>
<tr>
<th>Language</th>
<th>Compiler package</th>
<th>Library package</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ada</td>
<td>gnat-10</td>
<td>libgnat-10</td>
<td>gnat-10-doc</td>
</tr>
<tr>
<td>BRIG</td>
<td>gccbrig-10</td>
<td>libhails-rt0</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>gcc-10</td>
<td>glibc-10-doc</td>
<td></td>
</tr>
<tr>
<td>C++</td>
<td>g++-10</td>
<td>libstdc++6</td>
<td>libstdc++6-10-doc</td>
</tr>
<tr>
<td>D</td>
<td>gdc-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-10</td>
<td>libgfortran5</td>
<td>gfortran-10-doc</td>
</tr>
<tr>
<td>Go</td>
<td>gccgo-10</td>
<td>libgo0</td>
<td></td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-10</td>
<td>libobjc4</td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobjc++-10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

<table>
<thead>
<tr>
<th>Language</th>
<th>Sources</th>
<th>Development</th>
<th>Debugging</th>
<th>Position-Independent</th>
</tr>
</thead>
<tbody>
<tr>
<td>C++</td>
<td></td>
<td>libstdc++6-10-dbg</td>
<td>libstdc++6-10-pic</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>libphobos-10-dev</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional packages include:

- **All languages:**
  - libgcc1, libgcc2, libgcc4
  - GCC intrinsics (platform-dependent)
  - gcc-10-base
  - Base files common to all compilers
  - gcc-10-soft-float
  - Software floating point (ARM only)
  - gcc-10-source
  - The sources with patches

- **Ada:**
  - libgnat-util10-dev, libgnat-util10
  - GNAT version library

- **C:**
  - cpp-10, cpp-10-doc
  - GNU C Preprocessor
  - libssp0-dev, libssp0
  - GCC stack smashing protection library
  - libquadmath0
  - Math routines for the __float128 type
  - fixincludes
  - Fix non-ANSI header files

- **C, C++ and Fortran 95:**
  - libgomp1-dev, libgomp1GCC
  - OpenMP (GOMP) support library
  - libitm1-dev, libitm1
  - GNU Transactional Memory Library

- **Biarch support:** On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libssp
- libstdc++-v3
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* Cygnus Support, drepper@cygnus.com.

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D:
gdc-10 GNU D Compiler
libphobos-10-dev D standard runtime library
The D source package is made up of the following components.

The D front-end for GCC:
- d/*

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The DMD Compiler implementation of the D programming language:
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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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tomb - support for clean goroutine termination in Go.

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### Go standard library and http2
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###
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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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uses the Library", as object code and/or source code, so that the
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That's all there is to it!

DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.2551 import-lazy 2.1.0

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1.2552 libxpm 3.5.12-1

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1.2553 distlib 0.2.8

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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distlib has started off using some of the code from distutil2.

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- Pior Bastida
- Anthony Baxter
- Erik Bray
- C. Titus Brown
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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1.2571 spew 1.1.1

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man/reallocarray.3
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man/setmode.3
man/strmode.3
man/strnstr.3
man/unvis.3
man/vis.3
man/wcslepy.3
src/getbsize.c
src/heapsort.c
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include/bsd/readpassphrase.h
man/readpassphrase.3
man/strlepy.3
man/strtonum.3
src/arc4random.c
src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
src/getentropy_osx.c
src/getentropy_solaris.c
src/readpassphrase.c
src/reallocarray.c
src/strlcat.c
src/strlepy.c
src/strtonum.c

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src/hash/md5.c

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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abstract: 'Build and install Perl modules'
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    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
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commands you use may be called something other than `show w' and `show
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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The End

#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {

my $current_year = (gmtime)[5] + 1900;
is $v_year, $current_year, 'perl -v copyright includes current year';
is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
open my $readme, '<', '../README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = "
my $copyright_msg = <$readme>

my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
 or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
 or die "Copyright statement not found in perl -v output '$output'";

$year;
}
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1.2619 webencodings 0.5.1

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* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py

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from setuptools import setup, find_packages
import io
import re
Regenerate the `webencodings.labels` module.

```python
import json
try:
    from urllib import urlopen
except ImportError:
    from urllib.request import urlopen

def assert_lower(string):
    assert string == string.lower()
    return string

def generate(url):
    parts = ['""

Map encoding labels to their name.

```
parts.extend(
    '%s:%s %s,%n' % (label, ' ' * (max_len - len(label)), name)
    for label, name in labels)
parts.append('})
return ''.join(parts)

if __name__ == '__main__':
    print(generate('http://encoding.spec.whatwg.org/encodings.json'))

Found in path(s):
* /opt/cola/permits/1110814957_1606854649.94/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Metadata-Version: 1.1
Name: webencodings
Version: 0.5.1
Summary: Character encoding aliases for legacy web content
Home-page: https://github.com/SimonSapin/python-webencodings
Author: Geoffrey Sneddon
Author-email: me@gsnedders.com
License: BSD
Description: python-webencodings

This is a Python implementation of the `WHATWG Encoding standard
<http://encoding.spec.whatwg.org/>`_.

* Latest documentation: http://packages.python.org/webencodings/
* Source code and issue tracker:
  https://github.com/gsnedders/python-webencodings
* PyPI releases: http://pypi.python.org/pypi/webencodings
* License: BSD
* Python 2.6+ and 3.3+

In order to be compatible with legacy web content
when interpreting something like ``Content-Type: text/html; charset=latin1``,
tools need to use a particular set of aliases for encoding labels
as well as some overriding rules.
For example, ``US-ASCII`` and ``iso-8859-1`` on the web are actually
aliases for ``windows-1252``, and an UTF-8 or UTF-16 BOM takes precedence
over any other encoding declaration.
The Encoding standard defines all such details so that implementations do
not have to reverse-engineer each other.

This module has encoding labels and BOM detection,
but the actual implementation for encoders and decoders is Pythons.
This is a Python implementation of the `WHATWG Encoding standard`_.

* Latest documentation: http://packages.python.org/webencodings/

* Source code and issue tracker:
  https://github.com/gsnedders/python-webencodings

* PyPI releases: http://pypi.python.org/pypi/webencodings

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1.2620 insserv 1.14.0-5.4+b1

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*/opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tcnative-boringssl-static-2-0-7-final-sources-1-jar/io/netty/internal/tcnative/SessionTicketKey.java

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  1-jar/io/netty/internal/tnative/Buffer.java
* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tnative-boringssl-static-2-0-7-final-sources-
  1-jar/io/netty/internal/tnative/Library.java
* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tnative-boringssl-static-2-0-7-final-sources-
  1-jar/io/netty/internal/tnative/SSL.java
* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tnative-boringssl-static-2-0-7-final-sources-
  1-jar/io/netty/internal/tnative/SSLContext.java

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* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tcnative-boringssl-static-2-0-7-final-sources-1-jar/io/netty/internal/tnative/NativeStaticallyReferencedJniMethods.java

1.2640 tencentcloud-sdk-go

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version 1.2.5, July 18th, 2005

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Description: Makes the generated copyright headers reproducible
Author: Emmanuel Bourg <ebourg@apache.org>
Forwarded: no
--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
   package build.tools.cldrconverter;

+import java.util.Date;
+import java.util.GregorianCalendar;
+import java.util.Locale;
+import java.util.TimeZone;
@@ -150,8 +151,14 @@
            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
        }  
        Calendar calendar = new Calendar(TimeZone.getTimeZone("UTC"), new Locale("en"));
+        calendar.setTime(date);
+        return calendar.get(Calendar.YEAR);
    }

    // no instantiation
--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -33,9 +33,13 @@
 import java.time.ZoneId;
 import java.time.ZonedDateTime;
 import java.util.ArrayList;
+import java.util.Calendar;
+import java.util.Date;
+import java.util.GregorianCalendar;
 import java.util.List;
 import java.util.Locale;
 import java.util.Map;
+import java.util.TimeZone;
 import java.util.TimeZone;
import java.util[arraylist];
import java.util[calendar];
+import java.util[date];
+import java.util[gregoriancalendar];
+import java.util[locale];
+import java.util[map];
+import java.util[timezone];

import java.util.TreeMap;

/**
 * @ -225.8 +229.15 @@
 * + "}"
 *
 
 private static String getOpenJDKCopyright() {
 - int year = ZonedDateTime.now(ZoneId
 - .of("America/Los_Angeles")).getYear();
 + Date date = new Date();
 + if (System.getenv("SOURCE_DATE_EPOCH") != null) {
 + date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
 + }
 +
 + GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
 + calendar.setTime(date);
 +
 + int year = calendar.get(Calendar.YEAR);
 return String.format(Locale.US, COPYRIGHT, year);
 }

1.2644 st4 4.0.8
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 */

/** Build an AST from a single StringTemplate template */
parser grammar STParser;

options {
    language=Java;
}
tokenVocab=STLexer;
TokenLabelType=CommonToken;
output=AST;
ASTLabelType=CommonTree;
}

tokens {
EXPR; OPTIONS; PROP; PROP_IND; INCLUDE; INCLUDE_IND; EXEC_FUNC; INCLUDE_SUPER;
INCLUDE_SUPER_REGION; INCLUDE_REGION; TO_STR; LIST; MAP; ZIP; SUBTEMPLATE; ARGS;
ELEMENTS; REGION; NULL; INDENTED_EXPR;
}

@header {
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.ErrorManager;
import org.stringtemplate.v4.misc.ErrorType;
}

@members {
ErrorManager errMgr;
Token templateToken;
public STParser(TokenStream input, ErrorManager errMgr, Token templateToken) {
this(input);
this.errMgr = errMgr;
this.templateToken = templateToken;
}
@Override
protected Object recoverFromMismatchedToken(IntStream input, int ttype, BitSet follow)
throws RecognitionException
{
throw new MismatchedTokenException(ttype, input);
}
}

@rulecatch {
catch (RecognitionException re) { throw re; }
}

templateAndEOF : template EOF -> template? ;

template : element* ;

element :
{input.LT(1).getCharPositionInLine()==0]? INDENT? COMMENT NEWLINE -> // throw away
|INDENT singleElement -> ^(INDENTED_EXPR INDENT singleElement?) // singleElement is optional to handle
|singleElement
|compoundElement
^\text{INDENTED_EXPR} $i \text{^(if} \ Ss1 \ Ss1? \text{^(elseif} \ Ss2 \ Ss2)* \text{^(else} \ Ss3?))$
-> \text{^(if} \ Ss1 \ Ss1? \text{^(elseif} \ Ss2 \ Ss2)* \text{^(else} \ Ss3?)$
;

\text{conditional}
\text{scope} 
\begin{tabular}{l}
\text{boolean inside;} \\
\end{tabular}

: andConditional ( '||^ andConditional )* 
;

andConditional : notConditional ( '\&\&\& notConditional )* ;

notConditional
: Char notConditional
| memberExpr 
;

notConditionalExpr 
:(ID->ID) 
(p='.' prop=ID-> ^\text{PROP}[$p,"PROP"] SnotConditionalExpr $prop) 
| (p='.' ( mapExpr ')')-> ^\text{PROP\_IND}[$p,"PROP\_IND"] SnotConditionalExpr mapExpr) 
)* 
;

exprOptions : option ( '.' option )* -\rightarrow ^\text{OPTIONS option}* ;

option @init 
{ 
\text{String id = input.LT(1).getText();} 
\text{String defVal = Compiler.defaultOptionValues.get(id);} 
\text{boolean validOption = Compiler.supportedOptions.get(id)!=null;} 
} :ID 
{ 
if ( !validOption ) 
{ 
\text{errMgr.compileTimeError(ErrorType.NO\_SUCH\_OPTION, templateToken, $ID, $ID.text);} 
} 
} 
(\text{\'^'} exprNoComma -\rightarrow \text{validOption}? ^\text{\'^'} ID exprNoComma) 
-\rightarrow 
[ 
if ( defVal==null ) 
{ 
\text{errMgr.compileTimeError(ErrorType.NO\_DEFAULT\_VALUE, templateToken, $ID);} 
} 
] 
\text{validOption&&defVal!=null}? 
^\text{EQUALS["\^"] ID STRING[$ID,"'+defVal+'"]} \)
exprNoComma
  :memberExpr
  ( `:` mapTemplateRef -> ^(MAP memberExpr mapTemplateRef)
    | -> memberExpr
  )
  ;

expr : mapExpr ;

// more complicated than necessary to avoid backtracking, which ruins
// error handling
mapExpr
  :memberExpr
  ( (c=',' memberExpr)+ col=':' mapTemplateRef
   -> ^(ZIP["col"] ^(ELEMENTS memberExpr+) mapTemplateRef)
   | -> memberExpr
  )
  ( {if ($x!=null) $x.clear();} // don't keep queueing x; new list for each iteration
    col=':' x+=mapTemplateRef ({$c==null}?=> ',' x+=mapTemplateRef )*
   -> ^(MAP["col"] $mapExpr $x+)
  )*
  ;

/**
expr:template(args) apply template to expr
expr:{arg | ...} apply subtemplate to expr
expr:(e)(args) convert e to a string template name and apply to expr
*/
mapTemplateRef
  :ID (' args ') -> ^(INCLUDE ID args?)
| subtemplate
  | lp=(' mapExpr rp=' ') (' argExprList? ') -> ^(INCLUDE_IND mapExpr argExprList?)
  ;

memberExpr
  :includeExpr->includeExpr
  (p=:' ID-> ^(PROP[$p,"PROP"] $memberExpr ID)
    | p=:' (' mapExpr ')-> ^(PROP_IND[$p,"PROP_IND"] $memberExpr mapExpr)
  )*
  ;

includeExpr
  options {k=2;} // prevent full LL(*), which fails, falling back on k=1; need k=2
  :{Compiler.funcs.containsKey(input.LT(1).getText())} // predefined function
ID '(' expr? ')'-> ^(EXEC_FUNC ID expr?)
[super] '.' ID '(' args? ')'-> ^(INCLUDE_SUPER ID args?)
[ID '(' args? ')'-> ^(INCLUDE ID args?)
['@' 'super' '.'] ID '(' rp=')'-> ^(INCLUDE_SUPER_REGION ID)
['@' ID '(' rp=')'-> ^(INCLUDE_REGION ID)
[primary
;

primary
:ID
[STRING
|TRUE
|FALSE
|subtemplate
|list
|[[conditional.size()>0]?? -> '(! conditional ')]!
|[[conditional.size()==0]?<=> lp=(' expr ')' (' argExprList? ')' -> ^(INCLUDE_IND[$lp] expr argExprList?)
|-> ^(TO_STR[$lp] expr)
;

args:argExprList

|namedArg (' ,' namedArg )* (' ...')? -> namedArg+ '...'? |


argExprList : arg ( , arg )* -> arg+ ;

arg : exprNoComma ;

namedArg : ID '=' arg -> ^( '=' ID arg ) ;

list:{input.LA(2)==RBRACK}? // hush warning; [] special case
lb=[''] -> LIST[$lb]
[lbs=[''] listElement ( , listElement )* |] -> ^(LIST[$lb] listElement*)
;

listElement : exprNoComma | -> NULL ;

Found in path(s):
*/opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/compiler/STParser.g
No license file was found, but licenses were detected in source scan.

/*
* [The "BSD license"]
tree grammar CodeGenerator;

options {
    language=Java;
    tokenVocab=STParser;
    ASTLabelType=CommonTree;
}

@header {
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     */
}

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* /
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
}

@members {
String outermostTemplateName; // name of overall template
CompiledST outermostImpl;
Token templateToken; // overall template token
String template; // overall template text
ErrorManager errMgr;
public CodeGenerator(TreeNodeStream input, ErrorManager errMgr, String name, String template, Token
templateToken) {
this(input, new RecognizerSharedState());
this.errMgr = errMgr;
this.outermostTemplateName = name;
this.template = template;
this.templateToken = templateToken;
}

// convience funcs to hide offensive sending of emit messages to
// CompilationState temp data object.

public void emit1(CommonTree opAST, short opcode, int arg) {
$template::state.emit1(opAST, opcode, arg);
}
public void emit1(CommonTree opAST, short opcode, String arg) {
$template::state.emit1(opAST, opcode, arg);
}
public void emit2(CommonTree opAST, short opcode, int arg, int arg2) {
$template::state.emit2(opAST, opcode, arg, arg2);
}
public void emit2(CommonTree opAST, short opcode, String s, int arg2) {
$template::state.emit2(opAST, opcode, s, arg2);
public void emit(CommonTree opAST, short opcode) {
    $template::state.emit(opAST, opcode);
}

public void insert(int addr, short opcode, String s) {
    $template::state.insert(addr, opcode, s);
}

public void setOption(CommonTree id) {
    $template::state.setOption(id);
}

public void write(int addr, short value) {
    $template::state.write(addr, value);
}

public int address() { return $template::state.ip; }

public void func(CommonTree id) { $template::state.func(templateToken, id); }

public void refAttr(CommonTree id) { $template::state.refAttr(templateToken, id); }

public int defineString(String s) { return $template::state.defineString(s); }

}

templateAndEOF : template[null,null] EOF; // hush warning; ignore

template[String name, List<FormalArgument> args] returns [CompiledST impl]
scope {
    CompilationState state; // automatically get a new state pointer per invocation
}
@init {
    $template::state = new CompilationState(errMgr, name, input.getTokenStream());
    $impl = $template::state.impl;
    if ( $template::state.size() == 1 ) outermostImpl = $impl;
    $impl.defineFormalArgs($args); // make sure args are defined prior to compilation
    if ( name!=null && name.startsWith(Compiler.SUBTEMPLATE_PREFIX) ) {
        $impl.addArg(new FormalArgument("i"));
        $impl.addArg(new FormalArgument("i0"));
    }
    $impl.template = template; // always forget the entire template; char indexes are relative to it
}
:chunk
// finish off the CompiledST result
    if ( $template::state.stringtable!=null ) $impl.strings = $template::state.stringtable.toArray();
    $impl.codeSize = $template::state.ip;
}

:chunk
:element*
;

element
:^{INDENTED_EXPR INDENT compoundElement[$INDENT]} // ignore indent in front of IF and region blocks
|compoundElement[null]
|^{INDENTED_EXPR INDENT {Template::state.indent($INDENT);} singleElement
|{Template::state.emit(Bytecode.INSTR_DEDENT);}}
singleElement
;

singleElement
:exprElement
|TEXT
|{ if ( $TEXT.text.length()>0 ) { emit1($TEXT,Bytecode.INSTR_WRITE_STR, $TEXT.text); } }

|NEWLINE {emit($NEWLINE, Bytecode.INSTR_NEWLINE);}
;

compoundElement[CommonTree indent]
|ifstat[indent]
|region[indent]
;

exprElement
|init { short op = Bytecode.INSTR_WRITE; }
:^{ EXPR expr (exprOptions {op=Bytecode.INSTR_WRITE_OPT;})? } |
/*
CompilationState state = Template::state;
CompiledST impl = state.impl;
if ( impl.instrs[state.ip-1] == Bytecode.INSTR_LOAD_LOCAL ) {
impl.instrs[state.ip-1] = Bytecode.INSTR_WRITE_LOCAL;
} else {
emit($EXPR, op);
}
*/
emit($EXPR, op);
|

region[CommonTree indent] returns [String name]
|init {
if ( indent!=null ) Template::state.indent(indent);
}
|after {
if ( indent!=null ) Template::state.emit(Bytecode.INSTR_DEDENT);
template[null]
{
CompiledST sub = Template.impl;
    sub.isRegion = true;
    sub.regionDefType = ST.RegionType.EMBEDDED;
    sub.templateDefStartToken = $ID.token;
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
emit2($start, Bytecode.INSTR_NEW, $region.name, 0);
emit($start, Bytecode.INSTR_WRITE);
}

subtemplate returns [String name, int nargs]
@init {
    $name = Compiler.getNewSubtemplateName();
List<FormalArgument> args = new ArrayList<FormalArgument>();
}
:^{SUBTEMPLATE
(^{ARGS (ID {args.add(new FormalArgument($ID.text));})+})*
{$nargs = args.size();}
template[$name,args]
{
CompiledST sub = Template.impl;
sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
}
|SUBTEMPLATE // { }
{
CompiledST sub = new CompiledST();
    sub.name = $name;
    sub.template = "";
    sub.addArg(new FormalArgument("i"));
    sub.addArg(new FormalArgument("i0"));
    sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
}
sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
}
;

ifstat[CommonTree indent]
@init {
/** Tracks address of branch operand (in code block). It's how
 * we backpatch forward references when generating code for IFs.
 */
int prevBranchOperand = -1;
/** Branch instruction operands that are forward refs to end of IF.
 * We need to update them once we see the endif.
 */
List<Integer> endRefs = new ArrayList<Integer>();
if ( indent!=null ) $template::state.indent(indent);
}
@after {
if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:^(i='if' conditional
{
    prevBranchOperand = address()+1;
    emit1($i,Bytecode.INSTR_BRF, -1); // write placeholder as branch target
}
chunk
(^eif='elseif'
{
endRefs.add(address()+1);
emit1($eif,Bytecode.INSTR_BR, -1); // br end
// update previous branch instruction
write(prevBranchOperand, (short)address());
prevBranchOperand = -1;
}
ec=conditional
{
    prevBranchOperand = address()+1;
    // write placeholder as branch target
    emit1($ec.start, Bytecode.INSTR_BRF, -1);
}
chunk
)
)*
(^el='else'
{
endRefs.add(address()+1);
emit1($el, Bytecode.INSTR_BR, -1); // br end
}
// update previous branch instruction
write(prevBranchOperand, (short)address());
prevBranchOperand = -1;
}
chunk
)
)?
)
{
if ( prevBranchOperand>=0 ) {
write(prevBranchOperand, (short)address());
}
for (int opnd : endRefs) write(opnd, (short)address());
}
;

conditional
:^>(OR conditional conditional) {emit($OR, Bytecode.INSTR_OR);}
|>(AND conditional conditional) {emit($AND, Bytecode.INSTR_AND);}
|>(BANG conditional) {emit($BANG, Bytecode.INSTR_NOT);}
|expr // not all expr are valid, but reuse code gen (parser restricts syntax)
;
exprOptions : {emit($start, Bytecode.INSTR_OPTIONS);} ^(OPTIONS option*) ;

option : ^'(= ID expr) {setOption($ID);} ;

expr
@init {int nt = 0, ne = 0;}
:^>(ZIP ^(ELEMENTS (expr {ne++;})+) mapTemplateRef[ne])
{emit1($ZIP, Bytecode.INSTR_ZIP_MAP, ne);}
|>(MAP expr (mapTemplateRef[1] {nt++;})+)
{
if ( nt>1 ) emit1($MAP, nt>1?Bytecode.INSTR_ROT_MAP:Bytecode.INSTR_MAP, nt);
else emit($MAP, Bytecode.INSTR_MAP);
}
|prop
|includeExpr
;

prop:^>(PROP expr ID) {emit1($PROP, Bytecode.INSTR_LOAD_PROP, $ID.text);}
|>(PROP_IND expr expr) {emit($PROP_IND, Bytecode.INSTR_LOAD_PROP_IND);}
;

mapTemplateRef[int num_exprs]
:^>(INCLUDE ID
{ for (int i=1; i<=$num_exprs; i++) emit($INCLUDE,Bytecode.INSTR_NULL);}
args
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n+$num_exprs);
}

subtemplate
{
if ( $subtemplate.nargs != $num_exprs ) {
    errMgr.compileTimeError(ErrorType.ANON_ARGUMENT_MISMATCH,
templateToken, $subtemplate.start.token, $subtemplate.nargs, $num_exprs);
}
for (int i=1; i<=$num_exprs; i++) emit($subtemplate.start,Bytecode.INSTR_NULL);
emit2($subtemplate.start, Bytecode.INSTR_NEW,
    $subtemplate.name,
    $num_exprs);
}

|^$(INCLUDE_IND expr
{
emit($INCLUDE_IND,Bytecode.INSTR_TOSTR);
for (int i=1; i<=$num_exprs; i++) emit($INCLUDE_IND,Bytecode.INSTR_NULL);
}

args
{
emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n+$num_exprs);
}

includeExpr
:^$(EXEC_FUNC ID expr?) {func($ID);}
|^$(INCLUDE ID args)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n);
}
|^$(INCLUDE_SUPER ID args)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW, $ID.text, $args.n);
}
|^$(INCLUDE_REGION ID)
{CompiledST impl =
  Compiler.defineBlankRegion(outermostImpl, $ID.token);
  //impl.dump();}
emit2($INCLUDE_REGION,Bytecode.INSTR_NEW,impl.name,0);
}
|\(^{(INCLUDE_SUPER_REGION ID)}\){
    String mangled =
    STGroup.getMangledRegionName(outermostImpl.name, $ID.text);
emit2($INCLUDE_SUPER_REGION,Bytecode.INSTR_SUPER_NEW,mangled,0);
}
|primary
;

primary
:ID{refAttr($ID);}
|STRING{emit1($STRING,Bytecode.INSTR_LOAD_STR, Misc.strip($STRING.text,1));}
|TRUE{emit($TRUE, Bytecode.INSTR_TRUE);}
|FALSE{emit($FALSE, Bytecode.INSTR_FALSE);}
|subtemplate// push a subtemplate but ignore args since we can't pass any to it here
    {emit2($start,Bytecode.INSTR_NEW, $subtemplate.name, 0);}
|list
|\(^{(INCLUDE_IND
expr        {emit($INCLUDE_IND, Bytecode.INSTR_TOSTR);} args        {emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n);} )
\(^{(TO_STR expr)}{emit($TO_STR, Bytecode.INSTR_TOSTR);} )
;

arg : expr ;
args returns [int n=0, boolean namedArgs=false, boolean passThru]
: (arg {$n++;}) +
|[emit($args.start, Bytecode.INSTRARGS); $namedArgs=true;]
\(^{(eq='=' ID expr)}
    {$n++; emit1($args.start, Bytecode.INSTR_STORE_ARG, defineString($ID.text));}
)+
("..." {$passThru=true;} )?
    | "..." {$passThru=true; emit($args.start, Bytecode.INSTRARGS); $namedArgs=true;}
    |
;

list:{emit($start, Bytecode.INSTR_LIST);}
\(^{(LIST (listElement {emit(listElement.start, Bytecode.INSTR_ADD);})* )}
;

listElement : expr | NULL {emit($NULL,Bytecode.INSTR_NULL);} : 

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CodeGenerator.g
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 */

grammar Group;

options {
  language=Java;
}

tokens {
  TRUE='true'; FALSE='false'; LBRACK='['; RBRACK=']';
}

@header {
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package org.stringtemplate.v4.compiler;

import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
import java.io.File;

@lexer::header {
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*/
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.*;
import org.stringtemplate.v4.misc.*;
import java.io.File;
}
@members {
public STGroup group;
@Override
public void displayRecognitionError(String[] tokenNames,
RecognitionException e)
{
String msg = getErrorMessage(e, tokenNames);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
@Override
public String getSourceName() {
String fullFileName = super.getSourceName();
File f = new File(fullFileName); // strip to simple name
return f.getName();
}
public void error(String msg) {
NoViableAltException e = new NoViableAltException("", 0, 0, input);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
recover(input, null);
}
}
@lexer::members {
public STGroup group;
@Override
public void reportError(RecognitionException e) {
String msg = null;
if ( e instanceof NoViableAltException ) {
msg = "invalid character '"+(char)input.LA(1)+"'";

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else if ( e instanceof MismatchedTokenException && ((MismatchedTokenException)e).expecting=='"') {
    msg = "unterminated string";
}
else {
    msg = getErrorMessage(e, getTokenNames());
}

group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);

@Override
public String getSourceName() {
    String fullFileName = super.getSourceName();
    File f = new File(fullFileName); // strip to simple name
    return f.getName();
}

@init {
GroupLexer lexer = (GroupLexer)input.getTokenSource();
this.group = lexer.group = $group;
}

oldStyleHeader?
delimiters?
    ( 'import' STRING {group.importTemplates($STRING);} )
    [ 'import' // common error: name not in string
    ]
    MismatchedTokenException e = new MismatchedTokenException(STRING, input);
    reportError(e);
}*
def[prefix]*
EOF
;

oldStyleHeader // ignore but lets us use this parser in AW for both v3 and v4
:   'group' ID ( ':' ID )?
    ( 'implements' ID ( ',' ID )* )?
    ':'
    ;

groupName returns [String name]

@init {StringBuilder buf = new StringBuilder();}
:  a=ID {buf.append($a.text);} ( '.' a=ID {buf.append($a.text);})*
    ;

delimiters
```java
'delimiters' a=STRING ',' b=STRING
{
    group.delimiterStartChar=a.getText().charAt(1);
    group.delimiterStopChar=b.getText().charAt(1);
}

/** Match template and dictionary defs outside of (...)+ loop in group.
 * The key is catching while still in the loop; must keep prediction of
 * elements separate from "stay in loop" prediction.
 */
def[String prefix] : templateDef[prefix] | dictDef ;
catch[RecognitionException re] {
    // pretend we already saw an error here
    state.lastErrorIndex = input.index();
    error("garbled template definition starting at "+input.LT(1).getText()+"");
}

templateDef[String prefix] @init {
    String template=null;
    int n=0; // num char to strip from left, right of template def

    ('@' enclosing=ID '.' name=ID '(' ')')
    | (name=ID '(' formalArgs ')')
    ')':="
    {Token templateToken = input.LT(1);}
    (STRING   {template=$STRING.text; n=1;}
     [BIGSTRING {template=$BIGSTRING.text; n=2;}
     [BIGSTRING_NO_NL {template=$BIGSTRING_NO_NL.text; n=2;}
     |
     template = ";
     String msg = "missing template at "+input.LT(1).getText()+"";
     NoViableAltException e = new NoViableAltException("", 0, 0, input);
     group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
     }
     )
}
    
    if ( $name.index >= 0 ) { // if ID missing
        template = Misc.strip(template, n);
        String templateName = $name.text;
        if (prefix.length()>0 ) templateName = prefix+$name.text;
        String enclosingTemplateName = $enclosing.text;
        if (enclosingTemplateName := null && enclosingTemplateName.length()>0 && prefix.length()>0) {
            enclosingTemplateName = prefix + enclosingTemplateName;
        }
        group.defineTemplateOrRegion(templateName, enclosingTemplateName, templateToken,
```
template, $name, $formalArgs.args);
}

| alias=ID '::=' target=ID  {group.defineTemplateAlias($alias, $target);}
|

formalArgs returns[List<FormalArgument> args = new ArrayList<FormalArgument>()]
scope {
boolean hasOptionalParameter;
}
@init { $formalArgs::hasOptionalParameter = false; }
:formalArg[$args] (',' formalArg[$args]*)
|

formalArg[List<FormalArgument> args]
:ID
('=' a=(STRING|ANONYMOUS_TEMPLATE|true|false) { $formalArgs::hasOptionalParameter = true; }
|'=' a='[' ']'| { $formalArgs::hasOptionalParameter = true; }
|)
if ($formalArgs::hasOptionalParameter) {
   group.errMgr.compileTimeError(ErrorType.REQUIRED_PARAMETER_AFTER_OPTIONAL,
   null, $ID);
}
}

{$args.add(new FormalArgument($ID.text, $a));}
|

/*
suffix returns [int cardinality=FormalArgument.REQUIRED]
  :
  | OPTIONAL
  | STAR
  | PLUS
  |
  */

dictDef
:ID '::=' dict
|
if ( group.rawGetDictionary($ID.text)!=null ) {
   group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
}
else if ( group.rawGetTemplate($ID.text)!=null ) {
   group.errMgr.compileTimeError(ErrorType.TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
}
else {

dict returns [Map<String, Object> mapping]
@init {mapping=new HashMap<String, Object>();}
: ['dictPairs[mapping]']
;

dictPairs[Map<String, Object> mapping]
: keyValuePair[mapping]
   (';', keyValuePair[mapping])* (';', defaultValuePair[mapping])?
   [defaultValuePair[mapping]]
   ;
catch[RecognitionException re] {
   error("missing dictionary entry at "+input.LT(1).getText()+"国人");
}
defaultValuePair[Map<String, Object> mapping]
: 'default' ':': keyValue {
   mapping.put(STGroup.DEFAULT_KEY, $keyValue.value);
}
;
keyValuePair[Map<String, Object> mapping]
: STRING ':': keyValue {
   mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value);
}
;

keyValue returns [Object value]
:BIGSTRING {$value = group.createSingleton($BIGSTRING);}
|BIGSTRING_NO_NL {$value = group.createSingleton($BIGSTRING_NO_NL);}
|ANONYMOUS_TEMPLATE {$value = group.createSingleton($ANONYMOUS_TEMPLATE);}
|STRING {$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));}
|TRUE {$value = true;}
|FALSE {$value = false;}
|[' ']{$value = Collections.emptyList();}
|[(input.LT(1).getText().equals("key"))?=> ID
   {$value = STGroup.DICT_KEY;}
   ;
catch[RecognitionException re] {
   error("missing value for key at "+input.LT(1).getText()+"国人");
}

ID: ('a'..'z'|'A'..'Z'|\._)* ('a'..'z'|'A'..'Z'|\0..'9'|\._)*
;
STRING
:"
"
Token templateToken = new CommonToken(input, ANONYMOUS_TEMPLATE, 0, getCharIndex(),
getCharIndex());
STLexer lexer =
new STLexer(group.errMgr, input, templateToken, group.delimiterStartChar, group.delimiterStopChar);
lexer.subtemplateDepth = 1;
Token t = lexer.nextToken();
while (lexer.subtemplateDepth>=1 || t.getType()!=STLexer.RCURLY) {
if (t.getType()==STLexer.EOF_TYPE) {
    MismatchedTokenException e = new MismatchedTokenException('}', input);
    String msg = "missing final '}' in {...} anonymous template";
    group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    break;
}
t = lexer.nextToken();
}
// don't match '}' here; our little {...} scanner loop matches it
// to terminate.

COMMENT
: '/*' ( options {greedy=false;} : . )* '*/' {skip();}
;
LINE_COMMENT
: '// ~('
'|'\r')* '\r'? '\n' {skip();}
;
WS :(' '|'\r'|'\t'|'\n') {skip();}
;
Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/Group.g
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* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/gui/JTreeASTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/gui/JTreeSTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/InterpEvent.java
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* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/BytecodeDisassembler.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CompilationState.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/ModelAdaptor.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Misc.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STLexerMessage.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STGroup.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Coordinate.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/ErrorType.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/IndentEvent.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STCompiletimeMessage.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/FormalArgument.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/ErrorBuffer.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/ST.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/AutoIndentWriter.java
1.2645 zstd 1.3.7

1.2645.1 Available under license:

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1.2646 java-support 7.3.0

1.2647 content-disposition 0.5.3

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1.2648 pierregeohash v1.0.0

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1.2649 xtend 4.0.1

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1.2651 validate-npm-package-license 3.0.4

1.2651.1 Available under license :
validate-npm-package-license
==================================

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};
assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(
valid('Apache 2.0'),
{
  validForOldPackages: false,
  validForNewPackages: false,
  warnings: [ 
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"',
    'license is similar to the valid expression "Apache-2.0"'
  ]
}
);
```

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
  valid('(GPL-3.0-only OR BSD-2-Clause)'),
  validSPDXExpression
);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [ 
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    '"UNLICENSED", or ' +
    '"SEE LICENSE IN <filename>"',
  ]
};

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
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1.2655 idna 2.10

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---

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

---

import io, sys
from setuptools import setup

def main():

    python_version = sys.version_info[:2]
    if python_version < (2,7):
        raise SystemExit("Sorry, Python 2.7 or newer required")

    package_data = {}
    exec(open('idna/package_data.py').read(), package_data)

    arguments = {
        'name': 'idna',
        'packages': ['idna'],
        'version': package_data['__version__'],
        'description': 'Internationalized Domain Names in Applications (IDNA)',
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
        'author': 'Kim Davies',
        'author_email': 'kim@cynosure.com.au',
        'license': 'BSD-like',
        'url': 'https://github.com/kjd/idna',
        'classifiers': [
            'Development Status :: 5 - Production/Stable',
            'Intended Audience :: Developers',
            'Intended Audience :: System Administrators',
            'License :: OSI Approved :: BSD License',
            'Operating System :: OS Independent',
            'Programming Language :: Python',
            'Programming Language :: Python :: 2',
            'Programming Language :: Python :: 2.7',
            'Programming Language :: Python :: 3',
            'Programming Language :: Python :: 3.4',
            'Programming Language :: Python :: 3.5',
            'Programming Language :: Python :: 3.6',
            'Programming Language :: Python :: 3.7',
            'Programming Language :: Python :: 3.8',
        ],
    }

    setup(**arguments)
ACME COMPANY

1.2656 buftok 0.2.0

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1.2657 json-parse 1.3.1

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1.2658 prometheus-common v0.4.1

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
Eric Youngdale <eric at andante dot org>,

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Authors: Loren Merritt <lorenm@u.washington.edu>
        Anton Mitrofanov <BugMaster@narod.ru>
        Jason Garrett-Glaser <darkshikari@gmail.com>
        Henrik Gramner <hengar-6@student.ltu.se>

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etcpak, an extremely fast ETC compression utility (https://github.com/wolfpld/etcpak)

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Written by:       Philip Hazel
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Email domain:     gmail.com

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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
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1.2670 cookie-signature 1.0.6

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# cookie-signature

Sign and unsign cookies.

## Example

```js
var cookie = require('cookie-signature');

var val = cookie.sign('hello', 'tobiiscool');
val.should.equal('hello.DGDUkGIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');

var val = cookie.sign('hello', 'tobiiscool');
cookie.unsign(val, 'tobiiscool').should.equal('hello');
cookie.unsign(val, 'luna').should.be.false;
```

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* /opt/cola/permits/1110631391_1606919057.82/0/cookie-signature-1-0-6-5-tgz/package/Readme.md

1.2671 azure-go-autorest-logger v0.1.0

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1.2672 jersey-container-servlet 2.27

1.2673 golang-protobuf-extensions v1.0.1

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1.2680 spring-web-mvc 5.1.6

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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/NoHandlerFoundException.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/mvc/method/annotation/RequestBodyAdviceAdapter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/VersionStrategy.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/UrlBasedViewResolverRegistration.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/FlashMapManager.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMappingJacksonResponseBodyAdvice.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/condition/RequestCondition.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/MatchableHandlerMapping.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerComposite.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerAdapter.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/support/AbstractDispatcherServletInitializer.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/resource/EncodedResourceResolver.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/tags/form/TextareaTag.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/support/AbstractAnnotationConfigDispatcherServletInitializer.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/HandlerMapping.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/config/ViewResolversBeanDefinitionParser.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitter.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerView.java
* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-jar/org/springframework/web/servlet/HandlerAdapter.java
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/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via {@link RequestContext#getRequestDataValueProcessor()}.  
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */

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  jar/org/springframework/web/servlet/mvc/support/RedirectAttributesModelMap.java
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* /opt/cola/permits/1001070942_1611877126.96/0/spring-webmvc-5-1-6-release-sources-
  jar/org/springframework/web/servlet/view/AbstractUrlBasedView.java
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  jar/org/springframework/web/servlet/resource/AbstractResourceResolver.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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*/

#include <string>
#include <vector>

namespace spring
{
    class WebMVC
    {
    public:
        WebMVC();
        ~WebMVC();

        void initView(std::string_view viewName, const std::vector<std::string>& parameters);
        void processRequest(const std::string& requestPath, const std::vector<std::string>& parameters);
        void registerConverter(const std::string& name, Converter converter);
        void registerHandlerAdapter(const std::string& name, HandlerAdapter adapter);
        void registerHandlerMapping(const std::string& name, HandlerMapping mapping);

    private:
        std::map<std::string, View> _viewMap;
        std::map<std::string, HandlerAdapter> _adapterMap;
        std::map<std::string, HandlerMapping> _mappingMap;
    };
}

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

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Test 19-4 - DRS Disabled License Features

# Purpose:
To verify that vic-machine create checks for the DRS setting and command flags specific to resource pools in a vSphere environment without DRS, such as a ROBO deployment. If a VCH is being installed in a DRS-disabled environment, vic-machine create should warn that DRS is disabled and mention that any resource pool options supplied in the command will be ignored as they are not applicable in this environment.

# References:
2. [Provide License and Feature Check](https://github.com/vmware/vic/issues/7277)
3. [vic-machine to provide license and feature check](https://github.com/vmware/vic/issues/7275)

# Environment:
This test requires access to VMware Nimbus cluster for dynamic ESXi and vCenter creation. This test should be executed in a vCenter environment with a cluster that has DRS turned off.

See https://confluence.eng.vmware.com/display/CNA/VIC+ROBO for more details.
# Test Steps:
1. Deploy a vCenter testbed with DRS disabled
2. Using vic-machine create, install a VCH with compute resource set to the cluster where DRS is off. Also supply options that are specific to resource pools: cpu, cpu-shares, cpu-reservation, memory, memory-shares and memory-reservation.
3. Delete the VCH

# Expected Outcome:
* All test steps should complete without error
* Step 2's output should contain a message stating that DRS is disabled and that the provided resource pool options will be ignored.

# Possible Problems:
None

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package license

import {
  "context"
  "flag"
  "fmt"

  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
  "github.com/vmware/govmomi/vim25/types"
}

type add struct {
  *flags.ClientFlag
  *flags.OutputFlag
}

func init() {
  cli.Register("license.add", &add{}}
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)
  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }
  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }
  return nil
}

func (cmd *add) Usage() string {
  return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {

client, err := cmd.Client()
if err != nil {
    return err
}

m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
// var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo,
// error)
switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
}

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))

package gobrake

import (
    "fmt"
    "net/http"
)

type Error struct {
    Type string `json:"type"`
    Message string `json:"message"`
    Backtrace []StackFrame `json:"backtrace"`
}
type Notice struct {
    Errors  []Error    `json:"errors"
    Context map[string]interface{} `json:"context"
    Env     map[string]interface{} `json:"environment"
    Session map[string]interface{} `json:"session"
    Params  map[string]interface{} `json:"params"
}

func NewNotice(e interface{}, req *http.Request, depth int) *Notice {
    stack := stack(depth)
    notice := &Notice{
        Errors: []Error{
            {
                Type:      fmt.Sprintf("%T", e),
                Message:   fmt.Sprintf(e),
                Backtrace: stack,
            },
        },
        Context: map[string]interface{}{
            "notifier": map[string]interface{}{
                "name":   "gobrake",
                "version": "2.0.3",
                "url":     "https://github.com/airbrake/gobrake",
            },
        },
        Env:     map[string]interface{}{},
        Session: map[string]interface{}{},
        Params:  map[string]interface{}{},
    }

    if req != nil {
        notice.Context["url"] = req.URL.String()
        if ua := req.Header.Get("User-Agent"); ua != "" {
            notice.Context["userAgent"] = ua
        }
    }

    for k, v := range req.Header {
        if len(v) == 1 {
            notice.Env[k] = v[0]
        } else {
            notice.Env[k] = v
        }
    }

    if err := req.ParseForm(); err == nil {
        for k, v := range req.Form {
            if len(v) == 1 {
            
            }
        }
    }
}
Notice.Params[k] = v[0]
} else {
Notice.Params[k] = v
}

return notice

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*/

package license

import (
    "context"
    "flag"
type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{})
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}
return nil
}

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*/
package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.ClusterFlag.Process(ctx); err != nil {
        return err
    }

    return cmd.Process(ctx)
}
return err
}
if err := cmd.HostSystemFlag.Process(ctx); err != nil {
    return err
}
return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
if f.NArg() != 1 {
    return flag.ErrHelp
}
key := f.Arg(0)

client, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
return cerr
}
if cluster == nil {
    // Default to vCenter UUID
    id = client.ServiceContent.About.InstanceUuid
} else {
    id = cluster.Reference().Value
}
else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput(licenseManagerLicenseInfo{info}))
}

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Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://developer.github.com/v3/licenses/
type LicensesService service

type RepositoryLicense struct {
    Name *string `json:"name,omitemsynt"
    Path *string `json:"path,omitemsynt"

    SHA   *string `json:"sha,omitemsynt"
    Size   *int   `json:"size,omitemsynt"
    URL   *string `json:"url,omitemsynt"
    HTMLURL   *string `json:"html_url,omitemsynt"
    GitURL   *string `json:"git_url,omitemsynt"
    DownloadURL   *string `json:"download_url,omitemsynt"
    Type   *string `json:"type,omitemsynt"
    Content *string `json:"content,omitemsynt"
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key     *string `json:"key,omitempty"`
    Name    *string `json:"name,omitempty"`
    URL     *string `json:"url,omitempty"`
    SPDXID     *string   `json:"spdx_id,omitempty"`
    HTMLURL     *string   `json:"html_url,omitempty"`
    Featured   *bool     `json:"featured,omitempty"`
    Description *string   `json:"description,omitempty"`
    Implementation *string `json:"implementation,omitempty"`
    Permissions [*]string `json:"permissions,omitempty"`
    Conditions  [*]string `json:"conditions,omitempty"`
    Limitations [*]string `json:"limitations,omitempty"`
    Body       *string   `json:"body,omitempty"`
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://developer.github.com/v3/licenses/#list-all-licenses
func (s *LicensesService) List(ctx context.Context) (*[]License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }
    // TODO: remove custom Accept header when this API fully launches
    req.Header.Set("Accept", mediaTypeLicensesPreview)
    var licenses []License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }

    return licenses, resp, nil
}
// Get extended metadata for one license.

// GitHub API docs: https://developer.github.com/v3/licenses/#get-an-individual-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    // TODO: remove custom Accept header when this API fully launches
    req.Header.Set("Accept", mediaTypeLicensesPreview)

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

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>>> go-openapi_errors-fc3f73a224499b047eda7191e5d22e1e9631e86f
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>>> curl-7.59.0-4.ph2
>>> expat-2.2.4-1.ph2
>>> iputils-20151218-4.ph2
>>> krb5-1.16-2.ph2
>>> libarchive-3.3.1-2.ph2
>>> libcap-2.25-7.ph2
>>> libdb-5.3.28-1.ph2
>>> libffi-3.2.1-5.ph2
>>> libolv-0.6.26-3.ph2
>>> libssh2-1.8.0-1.ph2
>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> lssof-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcres-8.41-1.ph2
>>> popt-1.16-5.ph2
>>> shadow-4.2.1-16.ph2
>>> sqlite-3.22.0-3.ph2
>>> sudo-1.8.20p2-5.ph2
>>> vim-8.0.0533-6.ph2
>>> xz-5.2.3-2.ph2
>>> zlib-1.2.11-1.ph2

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>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.154-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
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>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
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>>> haveged-1.9.1-4.ph2
>>> readline-7.0-2.ph2

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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
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>>> nspr-4.15-1.ph2
>>> nss-3.31.1-1.ph2
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>>> codegangsta/inject-33e0aa1cb7c019ccc3fbe049a8262a6403d30504

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868efa9b202a3c8be315aaa

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go-md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa.tar.gz

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>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> gizak_termui-798ffb9cbbe4073ef1f88e6069ca4a2c6aa6676b

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>>> godbus_dbus-230e4b23db2fd81c53eaa0073f76659d4849ce51

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>>> gogo_protobuf_gogoprotoc-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> golang_lint-cb00e5669539f047b2f4c53a421a01b0c8e172c6

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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>>> x_crypto_poly1305-728b753d0135da6801d45a38e6f43ff55779c5c2

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>>> x_crypto_salsa20_salsa-728b753d0135da6801d45a38e6f43ff55779c5c2

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+build appengine

Package short implements a simple URL shortener, serving an administrative interface at /s and shortened urls from /s/key.

It is designed to run only on the instance of godoc that serves golang.org.

package short
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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>>> curl-7.59.0-4.ph2

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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_export_name.c
   lib/gssapi/mechglue/g_glue.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/irop.c
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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@version 3.0 (December 2000)
Optimised ANSI C code for the Rijndael cipher (now AES)
@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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iproute2-4.10.0-3.ph2

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chkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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iproute2-4.10.0.tar
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include
netinet
tcp.h

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extensions\libip6t_HL.c

IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW’s ttl target
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\utils\pf.os

SYN signatures. Those signatures work for SYN packets only (duh!).

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>>> linux-esx-4.9.154-1.ph2

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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page http://www.jhauser.us/arithmetic/SoftFloat-2b/SoftFloat-source.txt

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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA.
for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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```

Written by Ian Lance Taylor, Cygnus Support

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2.32\text-utils\line.c

line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A _normal user_ program should never directly manipulate etc/passwd but
/use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn,
chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stderr; this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named I'an".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/ Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.
There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without
allocating any. It is a good idea to use alloca(0) in
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kmod-insert - insert a module into the kernel.

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CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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estream.c - Extended Stream I/O Library
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Test Socket Type

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

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Version 2.1, February 1999

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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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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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------------------- SECTION 6: GNU Lesser General Public License, V3.0 -------------------

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Version 3, 29 June 2007

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A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the
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for portions of the Combined Work that, considered in isolation, are
based on the Application, and not on the Linked Version.

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object code and/or source code for the Application, including any data
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If you modify a copy of the Library, and, in your modifications, a
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version:

a) under this License, provided that you make a good faith effort to
ensure that, in the event an Application does not supply the
function or data, the facility still operates, and performs
whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of
this License applicable to that copy.


The object code form of an Application may incorporate material from
a header file that is part of the Library. You may convey such object
code under terms of your choice, provided that, if the incorporated
material is not limited to numerical parameters, data structure
layouts and accessors, or small macros, inline functions and templates
(ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the
Library is used in it and that the Library and its use are
covered by this License.

b) Accompany the object code with a copy of the GNU GPL and this license
document.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.

b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

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0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombinating or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

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Library side by side in a single library together with other library
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License, and convey such a combined library under terms of your
choice, if you do both of the following:

a) Accompany the combined library with a copy of the same work based
on the Library, uncombined with any other library facilities,
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b) Give prominent notice with the combined library 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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------------------ SECTION 7: Mozilla Public License, V2.0 ----------------

Mozilla Public License

Version 2.0

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Version 1.1 - 26 February 2007
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===============
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You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

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2. If this search is successful, then enquire whether the Work is still maintained.
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   b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.
4. If you make an `intention announcement' as described in 2b. above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.
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The latest version of this license is in http://www.latex-project.org/lppl.txt and version 1.3 or later is part of all distributions of LaTeX version 2005/12/01 or later.

This work has the LPPL maintenance status "maintained".

The Current Maintainer of this work is M. Y. Name.

This work consists of the files pig.dtx and pig.ins and the derived file pig.sty.

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If you do not want the Maintenance section of LPPL to apply to your Work, change `maintained' above into `author-maintained'. However, we recommend that you use `maintained', as the Maintenance section was added in order to ensure that your Work remains useful to the community even when you can no longer maintain and support it.
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package license

import (  "context"
var featureUsage = "List licenses with given feature"

type ls struct {
  *flags.ClientFlag
  *flags.OutputFlag

  feature string
}

func init() {
  cli.Register("license.ls", &ls{})
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)

  cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
  cmd.OutputFlag.Register(ctx, f)

  f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
  if err := cmd.ClientFlag.Process(ctx); err != nil {
    return err
  }

  if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
  }

  return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
  client, err := cmd.Client()
  if err != nil {
    return err
  }

  m := license.NewManager(client)
  result, err := m.List(ctx)
if err != nil {
    return err
}

if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))

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*/

package license

import (
"context"
"strconv"
"strings"
type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}
res, err := methods.DecodeLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager

er := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager

er := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }

    return InfoList(mlm.Licenses), nil
}
err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
if err != nil {
    return nil, err
}

if mlm.LicenseAssignmentManager == nil {
    return nil, object.ErrNotSupported
}

am := AssignmentManager{
    object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
}

return &am, nil

}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    If := new(licenseFeature)
    f := strings.Split(feature, ":")
    If.name = f[0]
    if len(f) > 1 {
        var err error
        If.level, err = strconv.Atoi(f[1])
        if err != nil {
            If.name = feature
        }
    }
    return If
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
    }
    return false
}
kv, ok := p.Value.(types.KeyValue)

if !ok {
    continue
}

lf := parseLicenseFeature(kv.Key)

if lf.name == feature.name && lf.level >= feature.level {
    return true
}

return false

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}

Gocheck - A rich testing framework for Go

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package license

import (
   "context"
   "flag"

   "github.com/vmware/govmomi/govc/cli"
   "github.com/vmware/govmomi/govc/flags"
   "github.com/vmware/govmomi/license"
)

type decode struct {
   *flags.ClientFlag
   *flags.OutputFlag

   feature string
}

func init() {
   cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
   cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
   ctx = flags.NewClientFlag(ctx)
   cmd.ClientFlag.Register(ctx, f)
   cmd.ClientFlag = flags.NewClientFlag(ctx)
   cmd.ClientFlag.Register(ctx, f)
}
func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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*/

package license

import (  "fmt"
type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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    "context"  
    "github.com/vmware/govmomi/object"  
    "github.com/vmware/govmomi/vim25/methods"  
    "github.com/vmware/govmomi/vim25/types"  
)

type AssignmentManager struct {  
    object.Common  
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {  
    req := types.QueryAssignedLicenses{  
        This: m.Reference(),  
        EntityId: id,  
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)  
    if err != nil {  
        return nil, err  
    }

    return res, nil
}
func (m *AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This:     m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m *AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This:              m.Reference(),
        Entity:            id,
        LicenseKey:        key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return &res.Returnval, nil
}

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/*
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package simulator

import (
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        {Key: "feature",
         Value: types.KeyValue{
             Key: "serialuri:2",
             Value: "Remote virtual Serial Port Concentrator",
         }}
    }
}
type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{}
    m.Self = ref
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }

    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{ }
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:    req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}
func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
            return body
        }
    }
    return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }
    return body
}
func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense
    info.LicenseKey = key
    info.Labels = labels
    return info
}

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>>> golang_groupcache-lru-72d049fcedec7d3821820cc4af1f50e553639a
>>> govmoni-v0.17.1
>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0db66e066a3a90a80
>>> oxtoacart/bpool-4e1c5567d7c2d59fa4c7c83d34c2f528b025d6
>>> syncutil_singleflight-7ce68ca145dbe0e66a127c447bb80ee7914f3e4f9
>>> vdemeester_shakers-24d7f1d6a71aa5d9e97390e4aeb66b7eef9e1b3
>>> vishvananda_netlink-482f7a52b758233521878cb6c5904b6b6d3f457
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>>> vishvananda_netns-604eaf189ee867d8c147fafc28def2394e878d25
>>> yaml_v2-4c78c975fe7c825c6d1466c42be594d1d6f3aba6

>>> agl_ed25519-master
>>> airbabe_gobrake_v2-c9d51adc624b5cc4e1bf8de730a09af4878ffe2d
>>> api_compute_v1-dfa61ae24628a06502b9c2805d983b57e893999b5
>>> api_gensupport-dfa61ae24628a06502b9c2805d983b57e893999b5
>>> armon_go-metrics-f303b03b91d770a11a939677f1d3b5a40022bbc
>>> armon_go-radix-4239b77709c7b5d1243b7b4736304ce4ddbb6f0f2

>>> asaskevich_validator-9699ab6b38bee2e02cd3fe8b99eef67665395c96
>>> azure_go-ansiterm-7b02c90b2601718e29f1ebd7c17f600c11858d6be
>>> boldb_bolt-b514920f8f2e0a68f8575e1a1c774f385a59aef9
>>> cenkalti_backoff-b0f2f2bcfe117eaa6b9f782ef177b10fe2f65ef3
>>> client9_misspell-9a1fc2456ac9e8c9b4be9d005b6e7adac0d357f
>>> codegangsta/inject-33e0aa1cb7c019eccc3f0e49a8262a6403d30504
>>> codegangsta_cli-master

>>> cpgugy83_go-md2man_md2man-a65fd4d2de4df5f7c74868dafa9b202a3c8be31aaa
>>> d2g_dhcp4-40e4d29f0f231dce36e250b2ed9f08412584bca

>>> deckarep_golang-set-1f0f4ff8d3fbeb9328522993ce71c535890f67554
>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd
>>> gizak_termui-798ff9ebe4073e1f1888e6099ca4a2c6aa6676b
>>> go-check_check-20d25e2804050c1cd24a7ee17a6447d0e74ec
>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071
>>> go-nfs-client-42fca177a36031d648551e751d1da5f555dd4f0

>>> godbus_dbus-230e4b23db2fd81c53eaa073f7665948949ce51
>>> gogo_protobuf_gogoproto-6a92c871a8f5333cf106b2cd937567208d8bb2b7

>>> gogo_protobuf_sortkeys-6a92c871a8f5333cf106b2cd937567208d8bb2b7
>>> gogo_protobuf_types-6a92c871a8f5333cf106b2cd937567208d8bb2b7

>>> google_go-github_github-7a51fb928f52a196d5f31daefb8a489453ef54ff
>>> google_go-querystring_query-53e6ce116135b80d037921a7fdd5138cf32d7a8a
>>> google_uuid-f3f4b54b2fabc1f111dce399253bb0c109b00ed8

>>> googleapis_gax-go-da06d194a00e19ce0d9011a13931c3f6f6887c7
>>> gorilla_context-1c83b3eabdb45b6d76072666b746c2081f5f2b872d

>>> gorilla_muc-acf3be1335c8ce30b2c8d513009846660ceefa
>>> gorilla_securecookie-fa5329f913702981df43abe2a380bac429e810b5
>>> gorilla_sessions-ca9ada44574153444b00d3f9e8559e4c95f896
>>> gorilla_websocket-a91e6af3f97777409bd2c443f5534d41d20c5720
>>> graylog2_go-gelf-gelf-master
>>> grpc-b1a2821ca54fd666e48ddbb7d67d5784d839d21
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>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad58224d55cf26ca9e3d239c2fcb3432a2

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>>> dbus-1.11.12-1.ph2

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>>> photon-release-2.0-2.ph2

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>>> bzip-1.0.6-8.ph2
>>> curl-7.59.0-3.ph2
>>> expat-2.2.4-1.ph2

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>>> e2fsprogs-1.43.4-2.ph2
>>> gcc-6.3.0-7.ph2
>>> iproute2-4.10.0-3.ph2
>>> iptables-1.6.1-4.ph2
>>> linux-esx-4.9.137-1.ph2
>>> logrotate-3.11.0-3.ph2
>>> mingetty-1.08-2.ph2
>>> net-tools-1.60-11.ph2
>>> procps-ng-3.3.15-2.ph2
>>> rpm-4.13.0.2-1.ph2
>>> tdnf-1.2.3-4.ph2
>>> util-linux-2.32-1.ph2

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>>> bash-4.4.12-3.ph2
>>> coreutils-8.27-3.ph2
>>> elfutils-0.169-3.ph2
>>> grep-3.0-4.ph2
>>> gzip-1.8-1.ph2
>>> haveged-1.9.1-4.ph2
SECTION 6: GNU Lesser General Public License, V2.1

- readline-7.0-2.ph2
- cracklib-2.9.6-8.ph2
- glibc-2.26-13.ph2
- hawkey-2017.1-6.ph2
- kmod-24-3.ph2
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- ca-certificates-20180919-1.ph2
- nspr-4.15-1.ph2
- nss-3.31.1-1.ph2

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>>> dustin_go-humanize-259d2a102b871d17f30e3cd9881a642961a1e486

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>>> gemnasium_logrus-airbrake-hook_v2-31e6fd4bd5a98d8ee7673d24bc54ec73c31810dd

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>>> go-martini/martini-22fa46961aabd2665c1f3f1343b146d20028f5071
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>>> gogo_protobuf_gogoprotobuf-6a92c871a8f53333cf106b2c09fb9375672087dbb2b7

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>>> gogo_protobuf_protoc-gen-gogo_descriptor-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6c

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>>> naoina_denco-9af2ba0e24214bace003821f4a501b131b2e04c75
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>>> nsf_termbox-go-91bae1bb5fa9ee504905ecbe7043fa30e92feaa3
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>>> smartystreets assertions_internal_oglematchers-287b4346dc4e71a038c346375a9d572453bc469b

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tomb - support for clean goroutine termination in Go.

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+build appengine

Package short implements a simple URL shortener, serving an administrative interface at /s and shortened urls from /s/key.
It is designed to run only on the instance of godoc that serves golang.org.

package short

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>>> curl-7.59.0-3.ph2

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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
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
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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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Email local part: ph10
Email domain: cam.ac.uk

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Written by Carlos O'Donell <carlos@codesourcery.com>

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iproute2-4.10.0-3.ph2

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cchkconfig: 2345 11 89
description: sets up CBQ-based traffic control

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IPv6 Hop Limit Target module
Maciej Soltysiak <solt@dns.toxicfilms.tv>
Based on HW's ttl target
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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2.32\misc-utils\uuidparse.c

uuidparse.c --- Interpret uuid encoded information. This program
violates the UUID abstraction barrier by reaching into the
guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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2.32\login-utils\setpwnam.c
setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no)
to read /etc/passwd directly so that passwd, chsh and chfn can work on
machines that run NIS (previously YP). Changes will not be made to
usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.
A _normal user_ program should never directly manipulate etc/passwd but /use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to _edit_ the password file. For use by chfn, chsh and passwd. _I_ _HAVE_ to read and write /etc/passwd directly. Let those who say nay be forever silent and think about how getpwnam (and family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to stderr, this is a library function and should not print on the screen, but return appropriate error codes.

27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.

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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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/Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

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grep-3.0.tar.xz\grep-3.0.tar\grep-3.0\lib\alloca.c
alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep
track of all alloca-allocated blocks, and reclaim any
that are found to be deeper in the stack than the current
invocation. This heuristic does not reclaim storage as
soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without
allocating any. It is a good idea to use alloca(0) in
your main control loop, etc. to force garbage collection.

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Markus Kuhn -- 2007-05-26 (Unicode 5.0)

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/  

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CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
HMAC DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
with and without prediction resistance

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Version 1.1 - 26 February 2007
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MAINTENANCE OF THE WORK
=======================

The Work has the status `author-maintained' if the Copyright Holder explicitly and prominently states near the primary copyright notice in the Work that the Work can only be maintained by the Copyright Holder or simply that it is `author-maintained'.

The Work has the status `maintained' if there is a Current Maintainer who has indicated in the Work that they are willing to receive error reports for the Work (for example, by supplying a valid e-mail address). It is not required for the Current Maintainer to acknowledge or act upon these error reports.

The Work changes from status `maintained' to `unmaintained' if there is no Current Maintainer, or the person stated to be Current Maintainer of the work cannot be reached through the indicated means of communication for a period of six months, and there are no other significant signs of active maintenance.

You can become the Current Maintainer of the Work by agreement with any existing Current Maintainer to take over this role.

If the Work is unmaintained, you can become the Current Maintainer of the Work through the following steps:

1. Make a reasonable attempt to trace the Current Maintainer (and the Copyright Holder, if the two differ) through the means of an Internet or similar search.

2. If this search is successful, then enquire whether the Work is still maintained.
   a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
   b. If the search is unsuccessful or no action to resume active maintenance is taken by the Current Maintainer, then announce within the pertinent community your intention to take over maintenance. (If the Work is a LaTeX work, this could be done, for example, by posting to comp.text.tex.)

3a. If the Current Maintainer is reachable and agrees to pass maintenance of the Work to you, then this takes effect immediately upon announcement.

   b. If the Current Maintainer is not reachable and the Copyright Holder agrees that maintenance of the Work be passed to you, then this takes effect immediately upon announcement.

4. If you make an `intention announcement' as described in 2b. above and after three months your intention is challenged neither by the Current Maintainer nor by the Copyright Holder nor by other people, then you may arrange for the Work to be changed so as to name you as the (new) Current Maintainer.

5. If the previously unreachable Current Maintainer becomes reachable once more within three months of a change completed under the terms of 3b) or 4), then that Current Maintainer must become or remain the Current Maintainer upon request provided they then update their communication data within one month.

A change in the Current Maintainer does not, of itself, alter the fact that the Work is distributed under the LPPL license.

If you become the Current Maintainer of the Work, you should immediately provide, within the Work, a prominent and unambiguous statement of your status as Current Maintainer. You should also announce your new status to the same pertinent community as in 2b) above.

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The latest version of this license is in
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This work consists of the files pig.dtx and pig.ins and the derived file pig.sty.
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Important Recommendations

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This work consists of all files listed in manifest.txt.

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SECTION 23: Open Software License 1.1

The Open Software License v. 1.1

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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/gove/cli"
type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))


func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s", v.EntityId)
        fmt.Fprintf(tw, "%s", v.Scope)
        fmt.Fprintf(tw, "%s", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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Should Contain  ${output}  DRS is recommended, but is disabled
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tomb - support for clean goroutine termination in Go.

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1.2692 javax-ws-rs-api 2.1.1

1.2693 logstash-input-sqs 3.1.2

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1.2716 libsepol 2.8 1

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Jan Mercl <0xjnml@gmail.com>
Kai Backman <kaib@golang.org>
Marc-Antoine Ruel <maruel@chromium.org>
Nigel Tao <nigeltao@golang.org>
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2727 public-suffix 20190415.1030 0+deb9u1

1.2728 properties v1.8.1
1.2728.1 Available under license :
goproperties - properties file decoder for Go

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1.2729 bouncy-castle 1.62

1.2730 softlayer-go v0.0.0-20180806151055-260589d94c7d

1.2730.1 Available under license:

```
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 */

/**
 * AUTOMATICALLY GENERATED CODE - DO NOT MODIFY
 */

package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
```
Entity

// no documentation yet
Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

// no documentation yet
AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

// no documentation yet
EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

// no documentation yet
Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

// no documentation yet
Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

// no documentation yet
WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

// no documentation yet
type Legal_RegulatedWorkload_Type struct {
    Entity

    // no documentation yet
    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    // no documentation yet
    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    // no documentation yet
    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
    }

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1.2745 x-text 0.3.0

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1.2746 opensaml-saml-api 3.3.0

1.2747 pflag v1.0.1
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1.2748 x-crypto v0.0.0-20201221181555

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**1.2749 ghodss-yaml v1.0.1-0.20190212211648-25d852aebe32**

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1.2750 go.etcd.io-etcd v3.4.5

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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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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1.2755 json 2.2.0

1.2755.1 Available under license:

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  */

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/ext/json/ext/generator/generator.c
No license file was found, but licenses were detected in source scan.

  /*
  * This code is copyrighted work by Daniel Luz <dev at mernen dot com>.
  *
  * Distributed under the Ruby license: https://www.ruby-lang.org/en/about/license.txt
  */

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Parser.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/RuntimeInfo.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/OptionsReader.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Utils.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/Generator.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorMethods.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/StringEncoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/ByteListTranscoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorService.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/StringDecoder.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/ParserService.java
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/java/src/json/ext/GeneratorState.java
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Internet Engineering Task Force (IETF) T. Bray, Ed.
Request for Comments: 7159 Google, Inc.
Obsoletes: 4627, 7158 March 2014
The JavaScript Object Notation (JSON) Data Interchange Format

Abstract

JavaScript Object Notation (JSON) is a lightweight, text-based, language-independent data interchange format. It was derived from the ECMAScript Programming Language Standard. JSON defines a small set of formatting rules for the portable representation of structured data.

This document removes inconsistencies with other specifications of JSON, repairs specification errors, and offers experience-based interoperability guidance.

Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 5741.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at http://www.rfc-editor.org/info/rfc7159.
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1. Introduction

JavaScript Object Notation (JSON) is a text format for the serialization of structured data. It is derived from the object literals of JavaScript, as defined in the ECMAScript Programming Language Standard, Third Edition [ECMA-262].

JSON can represent four primitive types (strings, numbers, booleans,
and null) and two structured types (objects and arrays).

A string is a sequence of zero or more Unicode characters [UNICODE].
Note that this citation references the latest version of Unicode rather than a specific release. It is not expected that future changes in the UNICODE specification will impact the syntax of JSON.

An object is an unordered collection of zero or more name/value pairs, where a name is a string and a value is a string, number, boolean, null, object, or array.

An array is an ordered sequence of zero or more values.

1.1. Conventions Used in This Document

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC2119].

The grammatical rules in this document are to be interpreted as described in [RFC5234].

1.2. Specifications of JSON

This document updates [RFC4627], which describes JSON and registers the media type "application/json".

A description of JSON in ECMAScript terms appears in Version 5.1 of the ECMAScript specification [ECMA-262], Section 15.12. JSON is also described in [ECMA-404].

All of the specifications of JSON syntax agree on the syntactic elements of the language.
1.3. Introduction to This Revision

In the years since the publication of RFC 4627, JSON has found very wide use. This experience has revealed certain patterns, which, while allowed by its specifications, have caused interoperability problems.

Also, a small number of errata have been reported (see RFC Errata IDs 607 [Err607] and 3607 [Err3607]).

This document's goal is to apply the errata, remove inconsistencies with other specifications of JSON, and highlight practices that can lead to interoperability problems.

2. JSON Grammar

A JSON text is a sequence of tokens. The set of tokens includes six structural characters, strings, numbers, and three literal names.

A JSON text is a serialized value. Note that certain previous specifications of JSON constrained a JSON text to be an object or an array. Implementations that generate only objects or arrays where a JSON text is called for will be interoperable in the sense that all implementations will accept these as conforming JSON texts.

\[
\text{JSON-text} = \text{ws value ws}
\]

These are the six structural characters:

\[
\begin{align*}
\text{begin-array} & = \text{ws %x5B ws} ; \text{ [ left square bracket} \\
\text{begin-object} & = \text{ws %x7B ws} ; \text{ { left curly bracket} } \\
\text{end-array} & = \text{ws %x5D ws} ; \text{ ] right square bracket} \\
\text{end-object} & = \text{ws %x7D ws} ; \text{ } \text{ ] right curly bracket} \\
\text{name-separator} & = \text{ws %x3A ws} ; \text{ : colon} \\
\text{value-separator} & = \text{ws %x2C ws} ; \text{ , comma}
\end{align*}
\]
Insignificant whitespace is allowed before or after any of the six structural characters.

\[
\text{ws} = * ( \\
\quad \text{%x20 / ; Space} \\
\quad \text{%x09 / ; Horizontal tab} \\
\quad \text{%x0A / ; Line feed or New line} \\
\quad \text{%x0D ) ; Carriage return}
\]

3. Values

A JSON value MUST be an object, array, number, or string, or one of the following three literal names:

false null true

The literal names MUST be lowercase. No other literal names are allowed.

\[
\text{value} = \text{false} / \text{null} / \text{true} / \text{object} / \text{array} / \text{number} / \text{string}
\]

false = %x66.61.6c.73.65 ; false
null  = %x6e.75.6c.6c ; null
true  = %x74.72.75.65 ; true

4. Objects

An object structure is represented as a pair of curly brackets surrounding zero or more name/value pairs (or members). A name is a string. A single colon comes after each name, separating the name from the value. A single comma separates a value from a following name. The names within an object SHOULD be unique.

\[
\text{object} = \text{begin-object} \ [ \text{member} *( \text{value-separator} \text{member} ) \ ] \\
\text{end-object}
\]
member = string name-separator value

An object whose names are all unique is interoperable in the sense that all software implementations receiving that object will agree on the name-value mappings. When the names within an object are not unique, the behavior of software that receives such an object is unpredictable. Many implementations report the last name/value pair only. Other implementations report an error or fail to parse the object, and some implementations report all of the name/value pairs, including duplicates.

JSON parsing libraries have been observed to differ as to whether or not they make the ordering of object members visible to calling software. Implementations whose behavior does not depend on member ordering will be interoperable in the sense that they will not be affected by these differences.

5. Arrays

An array structure is represented as square brackets surrounding zero or more values (or elements). Elements are separated by commas.

array = begin-array [ value *( value-separator value ) ] end-array

There is no requirement that the values in an array be of the same type.

6. Numbers

The representation of numbers is similar to that used in most programming languages. A number is represented in base 10 using decimal digits. It contains an integer component that may be prefixed with an optional minus sign, which may be followed by a fraction part and/or an exponent part. Leading zeros are not allowed.

A fraction part is a decimal point followed by one or more digits.
Numeric values that cannot be represented in the grammar below (such as Infinity and NaN) are not permitted.

```
number = [ minus ] int [ frac ] [ exp ]

decimal-point = %x2E       ; .

digit1-9 = %x31-39         ; 1-9

e = %x65 / %x45            ; e E

exp = e [ minus / plus ] 1*DIGIT

frac = decimal-point 1*DIGIT

int = zero / ( digit1-9 *DIGIT )

minus = %x2D               ; -

plus = %x2B                ; +

zero = %x30                ; 0
```

This specification allows implementations to set limits on the range and precision of numbers accepted. Since software that implements IEEE 754-2008 binary64 (double precision) numbers [IEEE754] is generally available and widely used, good interoperability can be achieved by implementations that expect no more precision or range than these provide, in the sense that implementations will approximate JSON numbers within the expected precision. A JSON number such as 1E400 or 3.141592653589793238462643383279 may indicate potential interoperability problems, since it suggests that the software that created it expects receiving software to have greater capabilities for numeric magnitude and precision than is widely available.

Note that when such software is used, numbers that are integers and are in the range \([-2^{53}+1, 2^{53}-1]\) are interoperable in the sense that implementations will agree exactly on their numeric values.
7. Strings

The representation of strings is similar to conventions used in the C family of programming languages. A string begins and ends with quotation marks. All Unicode characters may be placed within the quotation marks, except for the characters that must be escaped: quotation mark, reverse solidus, and the control characters (U+0000 through U+001F).

Any character may be escaped. If the character is in the Basic Multilingual Plane (U+0000 through U+FFFF), then it may be represented as a six-character sequence: a reverse solidus, followed by the lowercase letter u, followed by four hexadecimal digits that encode the character’s code point. The hexadecimal letters A through F can be upper or lower case. So, for example, a string containing only a single reverse solidus character may be represented as "\u005C".

Alternatively, there are two-character sequence escape representations of some popular characters. So, for example, a string containing only a single reverse solidus character may be represented more compactly as "\".

To escape an extended character that is not in the Basic Multilingual Plane, the character is represented as a 12-character sequence, encoding the UTF-16 surrogate pair. So, for example, a string containing only the G clef character (U+1D11E) may be represented as "\uD834\uDD1E".

```
string = quotation-mark *char quotation-mark
char = unescaped / escape ( %x22 ; quotation mark U+0022
%5C ; \ reverse solidus U+005C
%2F ; / solidus U+002F
%62 ; b backspace U+0008
%66 ; f form feed U+000C
%6E ; n line feed U+000A
%72 ; r carriage return U+000D
%74 ; t tab U+0009
%75 4HEXDIG ) ; uXXXX U+XXXX
```
8. String and Character Issues

8.1. Character Encoding

JSON text SHALL be encoded in UTF-8, UTF-16, or UTF-32. The default encoding is UTF-8, and JSON texts that are encoded in UTF-8 are interoperable in the sense that they will be read successfully by the maximum number of implementations; there are many implementations that cannot successfully read texts in other encodings (such as UTF-16 and UTF-32).

Implementations MUST NOT add a byte order mark to the beginning of a JSON text. In the interests of interoperability, implementations that parse JSON texts MAY ignore the presence of a byte order mark rather than treating it as an error.

8.2. Unicode Characters

When all the strings represented in a JSON text are composed entirely of Unicode characters [UNICODE] (however escaped), then that JSON text is interoperable in the sense that all software implementations that parse it will agree on the contents of names and of string values in objects and arrays.

However, the ABNF in this specification allows member names and string values to contain bit sequences that cannot encode Unicode characters; for example, "\uDEAD" (a single unpaired UTF-16 surrogate). Instances of this have been observed, for example, when a library truncates a UTF-16 string without checking whether the truncation split a surrogate pair. The behavior of software that receives JSON texts containing such values is unpredictable; for example, implementations might return different values for the length of a string value or even suffer fatal runtime exceptions.

8.3. String Comparison
Software implementations are typically required to test names of object members for equality. Implementations that transform the textual representation into sequences of Unicode code units and then perform the comparison numerically, code unit by code unit, are interoperable in the sense that implementations will agree in all cases on equality or inequality of two strings. For example, implementations that compare strings with escaped characters unconverted may incorrectly find that "a\b" and "a\u005Cb" are not equal.

9. Parsers

A JSON parser transforms a JSON text into another representation. A JSON parser MUST accept all texts that conform to the JSON grammar. A JSON parser MAY accept non-JSON forms or extensions.

An implementation may set limits on the size of texts that it accepts. An implementation may set limits on the maximum depth of nesting. An implementation may set limits on the range and precision of numbers. An implementation may set limits on the length and character contents of strings.

10. Generators

A JSON generator produces JSON text. The resulting text MUST strictly conform to the JSON grammar.

11. IANA Considerations

The MIME media type for JSON text is application/json.

Type name: application

Subtype name: json

Required parameters: n/a
Optional parameters: n/a

Encoding considerations: binary

Security considerations: See [RFC7159], Section 12.

Interoperability considerations: Described in [RFC7159]

Published specification: [RFC7159]

Applications that use this media type:
JSON has been used to exchange data between applications written in all of these programming languages: ActionScript, C, C#, Clojure, ColdFusion, Common Lisp, E, Erlang, Go, Java, JavaScript, Lua, Objective CAML, Perl, PHP, Python, Rebol, Ruby, Scala, and Scheme.
Note: No "charset" parameter is defined for this registration.
Adding one really has no effect on compliant recipients.

12. Security Considerations

Generally, there are security issues with scripting languages. JSON is a subset of JavaScript but excludes assignment and invocation.

Since JSON’s syntax is borrowed from JavaScript, it is possible to use that language’s "eval()" function to parse JSON texts. This generally constitutes an unacceptable security risk, since the text could contain executable code along with data declarations. The same consideration applies to the use of eval()-like functions in any other programming language in which JSON texts conform to that language’s syntax.

13. Examples

This is a JSON object:

```json
{
  "Image": {
    "Width": 800,
    "Height": 600,
    "Title": "View from 15th Floor",
    "Thumbnail": {
      "Url": "http://www.example.com/image/481989943",
    }
  }
}
```
Its Image member is an object whose Thumbnail member is an object and whose IDs member is an array of numbers.

This is a JSON array containing two objects:

```
[
  {
    "precision": "zip",
    "Latitude": 37.7668,
    "Longitude": -122.3959,
    "Address": "",
    "City": "SAN FRANCISCO",
    "State": "CA",
    "Zip": "94107",
    "Country": "US"
  },
  {
    "precision": "zip",
    "Latitude": 37.371991,
    "Longitude": -122.026020,
    "Address": "",
    "City": "SUNNYVALE",
    "State": "CA",
    "Zip": "94085",
    "Country": "US"
  }
]
```

Here are three small JSON texts containing only values:

"Hello world!"
14. Contributors

RFC 4627 was written by Douglas Crockford. This document was constructed by making a relatively small number of changes to that document; thus, the vast majority of the text here is his.

15. References

15.1. Normative References


15.2. Informative References


[Err607] RFC Errata, Errata ID 607, RFC 607, 

[RFC4627] Crockford, D., "The application/json Media Type for 
JavaScript Object Notation (JSON)", RFC 4627, July 2006.
Appendix A. Changes from RFC 4627

This section lists changes between this document and the text in RFC 4627.

- Changed the title and abstract of the document.
- Changed the reference to [UNICODE] to be not version specific.
- Added a "Specifications of JSON" section.
- Added an "Introduction to This Revision" section.
- Changed the definition of "JSON text" so that it can be any JSON value, removing the constraint that it be an object or array.
- Added language about duplicate object member names, member ordering, and interoperability.
- Clarified the absence of a requirement that values in an array be of the same JSON type.
- Applied erratum #607 from RFC 4627 to correctly align the artwork for the definition of "object".
- Changed "as sequences of digits" to "in the grammar below" in the "Numbers" section, and made base-10-ness explicit.
- Added language about number interoperability as a function of IEEE754, and added an IEEE754 reference.
- Added language about interoperability and Unicode characters and about string comparisons. To do this, turned the old "Encoding" section into a "String and Character Issues" section, with three subsections: "Character Encoding", "Unicode Characters", and
"String Comparison".

- Changed guidance in the "Parsers" section to point out that implementations may set limits on the range "and precision" of numbers.

- Updated and tidied the "IANA Considerations" section.

- Made a real "Security Considerations" section and lifted the text out of the previous "IANA Considerations" section.

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RFC 7159 JSON March 2014

- Applied erratum #3607 from RFC 4627 by removing the security consideration that begins "A JSON text can be safely passed" and the JavaScript code that went with that consideration.

- Added a note to the "Security Considerations" section pointing out the risks of using the "eval()" function in JavaScript or any other language in which JSON texts conform to that language's syntax.

- Added a note to the "IANA Considerations" clarifying the absence of a "charset" parameter for the application/json media type.

- Changed "100" to 100 and added a boolean field, both in the first example.

- Added examples of JSON texts with simple values, neither objects nor arrays.

- Added a "Contributors" section crediting Douglas Crockford.

- Added a reference to RFC 4627.

- Moved the ECMAScript reference from Normative to Informative and updated it to reference ECMAScript 5.1, and added a reference to ECMA 404.

Author's Address
Bray                         Standards Track                   [Page 16]

Found in path(s):
* /opt/cola/permits/1124883582_1611190559.22/0/flori-json-v2-2-0-0-g6550c42-tar-gz/flori-json-6550c42/references/rfc7159.txt

No license file was found, but licenses were detected in source scan.

# Changes

## 2019-02-21 (2.2.0)
* Adds support for 2.6 BigDecimal and ruby standard library Set datatype.

## 2017-04-18 (2.1.0)
* Allow passing of `decimal_class` option to specify a class as which to parse JSON float numbers.

## 2017-03-23 (2.0.4)
* Raise exception for incomplete unicode surrogates/character escape sequences. This problem was reported by Daniel Gollahon (dgollahon).
* Fix arbitrary heap exposure problem. This problem was reported by Ahmad Sherif (ahmadsherif).

## 2017-01-12 (2.0.3)
* Set `required_ruby_version` to 1.9
* Some small fixes
## 2016-07-26 (2.0.2)
* Specify `required_ruby_version` for json\_pure.
* Fix issue #295 failure when parsing frozen strings.

## 2016-07-01 (2.0.1)
* Fix problem when requiring json\_pure and Parser constant was defined top level.
* Add `RB_GC_GUARD` to avoid possible GC problem via Pete Johns.
* Store `current_nesting` on stack by Aaron Patterson.

## 2015-09-11 (2.0.0)
* Now complies to newest JSON RFC 7159.
* Implements compatibility to ruby 2.4 integer unification.
* Drops support for old rubies whose life has ended, that is rubies < 2.0.
  Also see https://www.ruby-lang.org/en/news/2014/07/01/eol-for-1-8-7-and-1-9-2/
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation. I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.

## 2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

## 2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of `JSON.dump_default_options`.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing `space_before` accessor in generator.
* Performance on Jruby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

## 2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

## 2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-Andre Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to `JSON::GenericObject` to make serialize :some\_attribute, `JSON::GenericObject`
work in Rails active models for convenient `SomeModel#some_attribute.foo.bar` access to serialised JSON data.

---

### 2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and `JSON::GenericObject`. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If `JSON::GenericObject` is supposed to be automatically deserialised, this has to be explicitly enabled by setting

```ruby
JSON::GenericObject.json_creatable = true
```
as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155 provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

### 2012-11-29 (1.7.6)
* Add `GeneratorState#merge` alias for JRuby, fix state accessor methods. Thx to jvshahid@github.
* Increase hash likeness of state objects.

### 2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.

### 2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues/142

### 2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.

### 2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the extension variant in jruby 1.9 mode.

### 2012-04-28 (1.7.1)
* Some small fixes for building

### 2012-04-28 (1.7.0)
* Add `JSON::GenericObject` for method access to objects transmitted via JSON.

### 2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.

### 2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo
<tom.enebo@gmail.com>), should fix https://github.com/flori/json/issues#issue/119.
* Fix https://github.com/flori/json/issues#issue/117

## 2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda <bkabrda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and developing a patch fix.

## 2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter <headius@headius.com>.
* Support `object_class`/`array_class` with duck typed hash/array.

## 2011-12-01 (1.6.3)
* Let `JSON.load('')` return nil as well to make mysql text columns (default to `''`) work better for serialization.

## 2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in `quirks_mode`.
* Make JSON.dump and JSON.load methods better cooperate with Rails` serialize method. Just use:

```ruby
serialize :value, JSON
```
* Fix bug with time serialization concerning nanoseconds. Thanks for the patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to what Evan Phoenix <evan@phx.io> suggested in:

https://github.com/flori/json/pull/103

## 2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.

## 2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.

## 2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhb.net> that fixes garbage collection problem reported in https://github.com/flori/json/issues#issue/46.
* Add `quirks_mode` option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.
## 2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add `as_json` methods in json/add/core, so rails can create its json objects the new way.

## 2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gemspecs for json and json\_pure.
* Fix bug in jruby pretty printing.
* Fix bug in `object_class` and `array_class` when inheriting from Hash or Array.

## 2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues#issue/54.

## 2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@meren.com>.
* Output full exception message of `deep_const_get` to aid debugging.
* Fixed an issue with ruby 1.9 `Module#const_defined?` method, that was reported by Riley Goodside.

## 2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

## 2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with `to_json` method defintions that only have one argument.
* Some fixes in the state objects and additional tests.

## 2010-08-06 (1.4.4)

## 2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by electronicwhisper@github. Thx!

## 2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
* Applied patch from devrandom <cl.github@niftybox.net> in order to allow building of json\_pure if extension\_task is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory
leak, which is fixed in this release.
* Applied 993f261ccb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

## 2010-04-25 (1.4.1)
* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM being different on 32bit/64bit architectures.

## 2010-04-23 (1.4.0)
* Major speed improvements and building with simplified directory/file-structure.
* Extension should at least be comaptable with MRI, YARV and Rubinius.

## 2010-04-07 (1.2.4)
* Triger const_missing callback to make Rails' dynamic class loading work.

## 2010-03-11 (1.2.3)
* Added a `State[[]]` method which returns an attribute's value in order to increase duck type compatibility to Hash.

## 2010-02-27 (1.2.2)
* Made some changes to make the building of the parser/generator compatible to Rubinius.

## 2009-11-25 (1.2.1)
* Added `:`symbolize_names` option to Parser, which returns symbols instead of strings in object names/keys.

## 2009-10-01 (1.2.0)
* `fast_generate` now raises an exeception for nan and infinite floats.
* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.
* Better documentation

## 2009-08-23 (1.1.9)
* Added forgotten main doc file `extra_rdoc_files`.

## 2009-08-23 (1.1.8)
* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.
* Applied patch by okkez_ in order to fix Ruby Bug #1768:
* Finally got around to avoid the rather paranoid escaping of `/` characters in the generator's output. The parsers aren't affected by this change.
  Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.

## 2009-06-29 (1.1.7)
* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue. Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.
* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

## 2009-05-10 (1.1.6)
* No changes. tested native linux gems in the last release and they don't play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the native gem on rubyforge.

## 2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

## 2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby 1.9.
* Improved speed of the code path for the fast_generate method in the pure variant.

## 2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to_s returns them as an integer not a fraction with '/'. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.

## 2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.

* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

## 2007-07-06 (1.1.1)

* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.

* Introduced a `JSON.parse!` method without depth checking for people who like danger.

* Made generate and `pretty_generate` methods configurable by an options hash.

* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.

* Fixed some more tests for Ruby 1.9.

* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.

* Implemented the `max_nesting` feature for generate methods, too.

* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

## 2007-05-21 (1.1.0)

* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.

* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by `\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.

* Extended license to Ruby License, which includes the GPL.

## 2007-05-09 (1.0.4)

* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!

* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading of the binary.

## 2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

## 2007-03-24 (1.0.2)
* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

## 2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

## 2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

## 2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object `"{ ... }"` or array `"[ ... ]"` in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby (`[ \t\r\n]`), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases `generate` and `pretty_generate` of `unparse` and `pretty_unparse`.
* Fixed a test case.
* Catch an `Iconv::InvalidEncoding` exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

## 2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (/-characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

## 2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

## 2005-09-23 (0.4.0)
* Initial Rubyforge Version

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package cloud

import {
  "bytes"
  "io/ioutil"
  "os"
  "path/filepath"
  "strings"
  "testing"
}

var sentinels = []string{
  "Copyright",
  "Google",
  `Licensed under the Apache License, Version 2.0 (the "License");`,
}

func TestLicense(t *testing.T) {
  t.Parallel()
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if err != nil {
      return err
    }
    if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
      return nil
    }
    if strings.HasSuffix(path, ".pb.go") {
      return nil
    }
  })
}
// .pb.go files are generated from the proto files.
// .proto files must have license headers.
return nil
}
if path == "bigtable/cmd/cbt/cbtdoc.go" {
// Automatically generated.
return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
// BSD license, which is compatible, is embedded in the file.
return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
if !bytes.Contains(src, []byte(sentinel)) {
    t.Errorf("%v: license header not present. want %q", path, sentinel)
    return nil
}
}

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1.2758 python-certifi 2021.5.30

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1.2759 mitchellh-mapstructure v1.1.2
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1.2761 fdisk 2.23.2

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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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f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
-------------------

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8ddf51a88a045db233418dd73fbe bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0
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):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

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BSD disklabel 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):

1.2762 gettext 0.19.8.1 3.el7

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1.1.5

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The class "org.apache.commons.math3.exception.util.LocalizedFormatsTest" is an adapted version of "OrekitMessagesTest" test class for the Orekit library. The "org.apache.commons.math3.analysis.interpolation.HermiteInterpolator" has been imported from the Orekit space flight dynamics library.

The Orekit library is described at:
https://www.orekit.org/forge/projects/orekit

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"http://www.w3.org/TR/html4/loose.dtd">
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc (1.8.0_171) on Tue Jul 24 22:50:57 PDT 2018 -->
title="Uses of Class org.apache.cassandra.auth.Permission (apache-cassandra API)"
<meta name="date" content="2018-07-24">
<link rel="stylesheet" type="text/css" href="../../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../../script.js"></script>
</head>
<body>
<script type="text/javascript">
try {
    if (location.href.indexOf('is-external=true') == -1) {
        parent.document.title="Uses of Class org.apache.cassandra.auth.Permission (apache-cassandra API)";
    }
}
catch(err) {
    }
</script>


Uses of Class org.apache.cassandra.auth.Permission

<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>org.apache.cassandra.auth</td>
<td></td>
</tr>
<tr>
<td>org.apache.cassandra.cql3.statements</td>
<td></td>
</tr>
<tr>
<td>org.apache.cassandra.service</td>
<td></td>
</tr>
</tbody>
</table>

Uses of <a href="/.../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> in <a href="/.../org/apache/cassandra/auth/package-summary.html" org.apache.cassandra.auth>

Uses of <a href="/.../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> in <a href="/.../org/apache/cassandra/auth/package-summary.html" org.apache.cassandra.auth>

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Fields in [a href="../../../../..//org/apache/cassandra/auth/package-summary.html"]org.apache.cassandra.auth[/a] declared as [a href="../../../../..//org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"]Permission[/a] &nbsp; &nbsp;

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td> </td>
<td>permission</td>
</tr>
</tbody>
</table>

Fields in [a href="../../../../..//org/apache/cassandra/auth/package-summary.html"]org.apache.cassandra.auth[/a] with type parameters of type [a href="../../../../..//org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"]Permission[/a] &nbsp; &nbsp;

<table>
<thead>
<tr>
<th>Modifier and Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td> </td>
<td>ALL</td>
</tr>
<tr>
<td> </td>
<td>NONE</td>
</tr>
</tbody>
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</tr>
<tr>
<td>Modifier and Type</td>
<td>Method and Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>static Permission</td>
<td><code>valueOf(String name)</code> Returns the enum constant of this type with the specified name.</td>
</tr>
<tr>
<td>static Permission[]</td>
<td><code>values()</code> Returns an array containing the constants of this enum type, in the order they are declared.</td>
</tr>
</tbody>
</table>

Methods in `org.apache.cassandra.auth` that return types with arguments of type `Permission`:

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>java.util.Set&lt;Permission&gt;</td>
<td><code>applicablePermissions()</code> Returns the set of permissions applicable to this data resource.</td>
</tr>
<tr>
<td>Resource Type</td>
<td>Method</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td><code>FunctionResource</code></td>
<td><code>applicablePermissions()</code></td>
</tr>
<tr>
<td><code>IResource</code></td>
<td><code>applicablePermissions()</code></td>
</tr>
<tr>
<td><code>JMXResource</code></td>
<td><code>applicablePermissions()</code></td>
</tr>
<tr>
<td><code>RoleResource</code></td>
<td><code>applicablePermissions()</code></td>
</tr>
<tr>
<td><code>AllowAllAuthorizer</code></td>
<td><code>authorize(AuthenticatedUser user, IResource resource)</code></td>
</tr>
</tbody>
</table>

Certain permissions are not applicable to particular types of resources.
<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>authorize(AuthenticatedUser user, IResource resource)</code></td>
<td>Returns a set of permissions of a user on a resource.</td>
</tr>
<tr>
<td><code>getPermissions(IResource resource)</code></td>
<td>Returns a set of permissions of a user on a resource.</td>
</tr>
</tbody>
</table>

- **className**: CassandraAuthorizer
- **methodName**: authorize
- **parameters**: `AuthenticatedUser user, IResource resource`
- **return type**: `java.util.Set<Permission>`

- **className**: IAuthorizer
- **methodName**: authorize
- **parameters**: `AuthenticatedUser user, IResource resource`
- **return type**: `java.util.Set<Permission>`

- **className**: PermissionsCache
- **methodName**: getPermissions
- **parameters**: `AuthenticatedUser user, IResource resource`
- **return type**: `java.util.Set<Permission>`

- **className**: AuthenticatedUser
- **methodName**: getPermissions
- **parameters**: `IResource resource`
- **return type**: `java.util.Set<Permission>`
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>void</code></td>
<td>AllowAllAuthorizer.grant(performer, permissions, resource, to)</td>
</tr>
<tr>
<td><code>void</code></td>
<td>CassandraAuthorizer.grant(performer, permissions, resource, grantee)</td>
</tr>
<tr>
<td><code>void</code></td>
<td>IAuthorizer.grant(performer, permissions, resource, grantee)</td>
</tr>
</tbody>
</table>

```java
java.util.Set<Permission>
java.util.Set<Permission>
java.util.Set<Permission>
```
<table>
<thead>
<tr>
<th>Function Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>list</code></td>
<td>Grants a set of permissions on a resource to a role.</td>
</tr>
</tbody>
</table>

```java
<code>java.util.Set<
    <span class="memberNameLabel">list</span>(
        <a href="/org/apache/cassandra/auth/AuthenticatedUser.html" title="class in org.apache.cassandra.auth">AuthenticatedUser</a> performer,
        java.util.Set<<a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>> permissions,
        <a href="/org/apache/cassandra/auth/IResource.html" title="interface in org.apache.cassandra.auth">IResource</a> resource,
        <a href="/org/apache/cassandra/auth/RoleResource.html" title="class in org.apache.cassandra.auth">RoleResource</a> grantee)
</code>
```
public List<Permission> listPermissions(String permissionType, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... return a list of permissions ...
}

public static void allowAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public void grantAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public static void denyAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and deny permissions ...
}

public List<Permission> listPermissions(String permissionType, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... return a list of permissions ...
}

public static void allowAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public void grantAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public static void denyAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and deny permissions ...
}

public List<Permission> listPermissions(String permissionType, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... return a list of permissions ...
}

public static void allowAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public void grantAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and grant permissions ...
}

public static void denyAll(IAuthorizer authorizer, AuthenticatedUser user, IResource resource, RoleResource grantee) {
    // ... check and deny permissions ...
}
Revokes a set of permissions on a resource from a user.

<table>
<thead>
<tr>
<th>Constructor and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PermissionDetails(java.lang.String, IResource, Permission)</code></td>
</tr>
</tbody>
</table>

### Uses of Permission

**Fields**

- `permission` - `enum in org.apache.cassandra.auth.Permission.html` |

**Methods**

- `Permission()` - `enum in org.apache.cassandra.auth.Permission.html` | `IResource` |

### Constructors in org.apache.cassandra.auth with parameters of type Permission

- `PermissionDetails(String, IResource, Permission)`
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>void</td>
<td><code>AuthenticationStatement.checkPermission(ClientState, Permission, RoleResource)</code></td>
</tr>
<tr>
<td>void</td>
<td><code>ListPermissionsStatement.permissions</code></td>
</tr>
<tr>
<td>void</td>
<td><code>PermissionsManagementStatement.permissions</code></td>
</tr>
</tbody>
</table>

Methods in `org.apache.cassandra.cql3.statements` with parameters of type `Permission`.
and an explanation">
</caption>
</td>
</tr>
<tr class="altColor">
<td class="colLast">
<code><span class="memberNameLink"><a href="../../../../../../org/apache/cassandra/cql3/statements/package-summary.html">GrantPermissionsStatement</a></span>(java.util.Set<<a href="../../../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>>&nbsp;permissions,
<a href="../../../../../../../org/apache/cassandra/auth/IResource.html" title="interface in org.apache.cassandra.auth">IResource</a>&nbsp;resource,
<a href="../../../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in org.apache.cassandra.cql3">RoleName</a>&nbsp;grantee)</code>&nbsp;
</td>
</tr>
<tr class="rowColor">
<td class="colLast">
<code><span class="memberNameLink"><a href="../../../../../../org/apache/cassandra/cql3/statements/package-summary.html">ListPermissionsStatement</a></span>(java.util.Set<<a href="../../../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>>&nbsp;permissions,
<a href="../../../../../../../org/apache/cassandra/auth/IResource.html" title="interface in org.apache.cassandra.auth">IResource</a>&nbsp;resource,
<a href="../../../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in org.apache.cassandra.cql3">RoleName</a>&nbsp;grantee,
boolean&nbsp;recursive)</code>&nbsp;
</td>
</tr>
<tr class="altColor">
<td class="colLast">
<code><span class="memberNameLink"><a href="../../../../../../org/apache/cassandra/cql3/statements/package-summary.html">PermissionsManagementStatement</a></span>(java.util.Set<<a href="../../../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>>&nbsp;permissions,
<a href="../../../../../../../org/apache/cassandra/auth/IResource.html" title="interface in org.apache.cassandra.auth">IResource</a>&nbsp;resource,
<a href="../../../../../../../org/apache/cassandra/cql3/RoleName.html" title="class in org.apache.cassandra.cql3">RoleName</a>&nbsp;grantee)</code>&nbsp;
</td>
</tr>
</tbody>
</table>
</body>
</html>
RevokePermissionsStatement(java.util.Set<Permission> permissions, IResource resource, RoleName grantee)

Uses of Permission in org.apache.cassandra.service

<table>
<thead>
<tr>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>void ensureHasPermission(Permission permission, Function function)</td>
</tr>
<tr>
<td>void ensureHasPermission(IResource resource, RoleName grantee)</td>
</tr>
<tr>
<td>void ensureHasPermission(IResource resource, Permission permission)</td>
</tr>
</tbody>
</table>

Use table, listing methods, and an explanation.

Modifier and Type

Method and Description

void ClientState.void ensureHasPermission(Permission permission, Function function)
void ClientState.void ensureHasPermission(IResource resource, RoleName grantee)
void ClientState.void ensureHasPermission(IResource resource, Permission permission)
<table>
<thead>
<tr>
<th>Class</th>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClientState</td>
<td>hasAllKeyspacesAccess(Permission perm)</td>
<td>Checks if the client has access to all keyspaces.</td>
</tr>
<tr>
<td>ClientState</td>
<td>hasColumnFamilyAccess(CFMetaData cfm, Permission perm)</td>
<td>Checks if the client has access to a specific column family.</td>
</tr>
<tr>
<td>ClientState</td>
<td>hasColumnFamilyAccess(java.lang.String keyspace, java.lang.String columnFamily, Permission perm)</td>
<td>Checks if the client has access to a specific keyspace and column family.</td>
</tr>
<tr>
<td>ClientState</td>
<td>hasKeyspaceAccess(java.lang.String keyspace)</td>
<td>Checks if the client has access to a specific keyspace.</td>
</tr>
</tbody>
</table>

Note: The descriptions are based on the method names and typical operations that a `ClientState` class might perform in a Cassandra-like environment.
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"http://www.w3.org/TR/html4/loose.dtd">
<!-- NewPage -->
<html lang="en">
<head>
<!-- Generated by javadoc (1.8.0_171) on Tue Jul 24 22:50:51 PDT 2018 -->
<title>Permission (apache-cassandra API)</title>
<meta name="date" content="2018-07-24">
<link rel="stylesheet" type="text/css" href="../../../../stylesheet.css" title="Style">
<script type="text/javascript" src="../../../../script.js"></script>
</head>
<body>
<script type="text/javascript">
try {
    if (location.href.indexOf('is-external=true') == -1) {

```
<div class="subNavList">
<li>Summary:&nbsp;</li>
<li>Nested&nbsp;|&nbsp;</li>
<li><a href="#enum.constant.summary">Enum Constants</a>&nbsp;|&nbsp;</li>
<li><a href="#field.summary">Field</a>&nbsp;|&nbsp;</li>
<li><a href="#method.summary">Method</a></li>
</div>

<ul class="subNavList">
<li>Detail:&nbsp;</li>
<li><a href="#enum.constant.detail">Enum Constants</a>&nbsp;|&nbsp;</li>
<li><a href="#field.detail">Field</a>&nbsp;|&nbsp;</li>
<li><a href="#method.detail">Method</a></li>
</ul>

<a name="skip.navbar.top"></a></div>

<!-- ========= END OF TOP NAVBAR ========= -->

<!-- ======== START OF CLASS DATA ======== -->

<div class="header">
<div class="subTitle">org.apache.cassandra.auth</div>
<h2 title="Enum Permission" class="title">Enum Permission</h2>
</div>

<div class="contentContainer">
<ul class="inheritance">
<li>java.lang.Object</li>
<li>
<ul class="inheritance">
<li>java.lang.Enum<<a href="../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>></li>
<li>
<ul class="inheritance">
<li>org.apache.cassandra.auth.Permission</li>
</ul>
</li>
</ul>
</li>
</ul>

<!-- END OF TOP NAVBAR -->

<!-- START OF CLASS DATA -->

<div class="subTitle">org.apache.cassandra.auth</div>
<h2 title="Enum Permission" class="title">Enum Permission</h2>

<div class="classHeader">
<dl>
</dl>
</div>

<div class="contentContainer">
<ul class="inheritance">
<li>java.lang.Object</li>
<li>java.lang.Enum<caret></ul>

</div>

</div>
public enum Permission extends java.lang.Enum
extends java.io.Serializable, java.lang.Comparable

An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.

IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order. Adding new values is ok.

Enum Constant Summary

<table>
<thead>
<tr>
<th>Enum Constant and Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTER</td>
<td></td>
</tr>
<tr>
<td>AUTHORIZE</td>
<td></td>
</tr>
<tr>
<td>Permission</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>CREATE</td>
<td>Create</td>
</tr>
<tr>
<td>DESCRIBE</td>
<td>Describe</td>
</tr>
<tr>
<td>DROP</td>
<td>Drop</td>
</tr>
<tr>
<td>EXECUTE</td>
<td>Execute</td>
</tr>
<tr>
<td>MODIFY</td>
<td>Modify</td>
</tr>
<tr>
<td>READ</td>
<td>Read</td>
</tr>
<tr>
<td>SELECT</td>
<td>Select</td>
</tr>
<tr>
<td>WRITE</td>
<td>Write</td>
</tr>
</tbody>
</table>

Deprecated.

Field Summary
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set&lt; Permission &gt;</td>
<td>ALL</td>
</tr>
<tr>
<td>static java.util.Set&lt; Permission &gt;</td>
<td>NONE</td>
</tr>
</tbody>
</table>

### Method Summary

- `static Permission valueOf(String name)`
  - Returns the enum constant of this type with the specified name.

```java
static Permission valueOf(String name)
```
static Permission[] values()

Returns an array containing the constants of this enum type, in the order they are declared.

Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object
class java.lang.Object

getClass, notify, notifyAll, wait, wait

---

READ

@Deprecated
public static final Permission READ

---

Enum Constant Detail

READ

@Deprecated
public static final Permission READ
<div class="block"><span class="deprecatedLabel">Deprecated.</span>&nbsp;</div>
</li>
</ul>
<a name="WRITE">
<!--[if !--><!-->
</a>
<ul class="blockList">
<li class="blockList">
<h4>WRITE</h4>
<pre>@Deprecated
public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> WRITE</pre>
<div class="block"><span class="deprecatedLabel">Deprecated.</span>&nbsp;</div>
</li>
</ul>
<a name="CREATE">
<!--[if !--><!-->
</a>
<ul class="blockList">
<li class="blockList">
<h4>CREATE</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> CREATE</pre>
</li>
</ul>
<a name="ALTER">
<!--[if !--><!-->
</a>
<ul class="blockList">
<li class="blockList">
<h4>ALTER</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> ALTER</pre>
</li>
</ul>
<a name="DROP">
<!--[if !--><!-->
</a>
<ul class="blockList">
<li class="blockList">
<h4>DROP</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> DROP</pre>
</li>
</ul>
<a name="SELECT">
<!--[if !--><!-->
</a>
<ul class="blockList">
  <li class="blockList">
    <h4>SELECT</h4>
    <pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> SELECT</pre>
  </li>
</ul>

<a name="MODIFY">
</a>

<ul class="blockList">
  <li class="blockList">
    <h4>MODIFY</h4>
    <pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> MODIFY</pre>
  </li>
</ul>

<a name="AUTHORIZE">
</a>

<ul class="blockList">
  <li class="blockList">
    <h4>AUTHORIZE</h4>
    <pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> AUTHORIZE</pre>
  </li>
</ul>

<a name="DESCRIBE">
</a>

<ul class="blockList">
  <li class="blockList">
    <h4>DESCRIBE</h4>
    <pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> DESCRIBE</pre>
  </li>
</ul>

<a name="EXECUTE">
</a>

<ul class="blockListLast">
  <li class="blockList">
    <h4>EXECUTE</h4>
    <pre>public static final <a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> EXECUTE</pre>
  </li>
</ul>
<ul class="blockList">

<li class="blockList">
<h3>Field Detail</h3>

<ul class="blockList">

<li class="blockList">
<h4>ALL</h4>
<pre>public static final java.util.Set&lt;&lt;a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"&gt;Permission&lt;/a&gt;&gt; ALL</pre>
</li>
</ul>

</li>
</ul>

<ul class="blockListLast">

<li class="blockList">
<h4>NONE</h4>
<pre>public static final java.util.Set&lt;&lt;a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"&gt;Permission&lt;/a&gt;&gt; NONE</pre>
</li>
</ul>


</li>
</ul>

</li>
</ul>

<!-- ============ METHOD DETAIL =========== -->

<ul class="blockList">

<li class="blockList">
<h3>Method Detail</h3>

<ul class="blockList">

<li class="blockList">
<h4>values</h4>
<pre>public static &lt;&lt;a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"&gt;Permission&lt;/a&gt;&gt;[] values()</pre>
<div class="block">Returns an array containing the constants of this enum type, in
 the order they are declared. This method may be used to iterate
 over the constants as follows:
<pre>
for (Permission c : Permission.values())
</pre>
System.out.println(c);

<dt><span class="returnLabel">Returns:</span></dt>
<dd>an array containing the constants of this enum type, in the order they are declared</dd>

<dl>
<dt><span class="returnLabel">Returns:</span></dt>
<dd>an array containing the constants of this enum type, in the order they are declared</dd>
</dl>

</pre></div>
<dl>
<dt><span class="returnLabel">Returns:</span></dt>
<dd>an array containing the constants of this enum type, in the order they are declared</dd>
</dl>

</li>
</ul>
</div>

<a name="valueOf-java.lang.String-">
<!--   -->
</a>

<ul class="blockListLast">
<li class="blockList">
<h4>valueOf</h4>
<pre>public static&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>&nbsp;valueOf(java.lang.String&nbsp;name)</pre>
<div class="block">Returns the enum constant of this type with the specified name. The string must match \textit{exactly} an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)</div>

<dl>
<dt><span class="paramLabel">Parameters:</span></dt>
<dd><code>name</code> - the name of the enum constant to be returned.</dd>
<dt><span class="returnLabel">Returns:</span></dt>
<dd>the enum constant with the specified name</dd>
<dt><span class="throwsLabel">Throws:</span></dt>
<dd><code>java.lang.IllegalArgumentException</code> - if this enum type has no constant with the specified name</dd>
<dd><code>java.lang.NullPointerException</code> - if the argument is null</dd>
</dl>
</li>
</ul>

</div>

</pre>

<!-- END OF CLASS DATA -->

</div><a name="navbar.bottom.firstrow">
<!--   -->
</a>
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LZ4 compression support provided by lz4-java (http://github.com/jpountz/lz4-java)
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Contains bindings to the C LZ4 implementation (http://code.google.com/p/lz4/)
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</component>

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For additional credits (generally to people who reported problems)
public enum Permission
{
    @Deprecated
    READ,
    @Deprecated
    WRITE,

    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSIZE and CREATE TABLE.
    // ALTER KEYSIZE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on the
    // relevant DataResource.
    // DROP KEYSIZE and DROP TABLE require DROP permission.
    //
    // In the context of Role management, these permissions may also be granted on a RoleResource.
// CREATE is only granted on the root-level role resource, and is required to create new roles.
// ALTER & DROP may be granted on either the root-level role resource, giving permissions on
// all roles, or on specific role-level resources.
CREATE,
ALTER,
DROP,

// data access
SELECT, // required for SELECT on a table
MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

// permission management
AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.

DESCRIBE, // required on the root-level RoleResource to list all Roles

// UDF permissions
EXECUTE; // required to invoke any user defined function or aggregate

public static final Set<Permission> ALL =
    Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
public static final Set<Permission> NONE = ImmutableSet.of();
}

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The inverse error function implementation in the Erf class is based on CUDA code developed by Mike Giles, Oxford-Man Institute of Quantitative Finance, and published in GPU Computing Gems, volume 2, 2010.

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1.2780 jruby-openssl 0.10.4

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/ChannelPool.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/ChannelPoolMap.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.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]\}.

Sub-types

- \{[@link ChannelInboundHandler]\} to handle inbound I/O events, and
- \{[@link ChannelOutboundHandler]\} to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- \{[@link ChannelInboundHandlerAdapter]\} to handle inbound I/O events,
- \{[@link ChannelOutboundHandlerAdapter]\} to handle outbound I/O operations,
- \{[@link ChannelDuplexHandler]\} to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

The context object

A \{[@link ChannelHandler]\} is provided with a \{[@link ChannelHandlerContext]\} object. A \{[@link ChannelHandler]\} is supposed to interact with the \{[@link ChannelPipeline]\} it belongs to via a context object. Using the context object, the \{[@link ChannelHandler]\} can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using \{[@link AttributeKey]\})s which is specific to the handler.
* A `ChannelHandler` often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
}
```

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where an unauthenticated client can get
the confidential information:

```java
// Create a new handler instance per channel.
// See `ChannelInitializer.initChannel(Channel)`.  
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```

Using `AttributeKey`s
Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `@link AttributeKey`s which is provided by `@link ChannelHandlerContext`

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Now that the state of the handler is attached to the `@link ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends @link ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

The `@Sharable` annotation
* In the example above which used an [@link AttributeKey],
* you might have noticed the [@code @Sharable] annotation.
* <p>
* If a [@link ChannelHandler] is annotated with the [@code @Sharable]
* annotation, it means you can create an instance of the handler just once and
* add it to one or more [@link ChannelPipeline]s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the [@link ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/CombinedChannelDuplexHandler.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/local/LocalChannelRegistry.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
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  jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollMode.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollEventArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollServerChannelConfig.java
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  jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
  jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/package-info.java
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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/native/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
jar/netty_epoll_linuxsocket.c
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 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the [@code TCP_QUICKACK] option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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1.2789 busybox 1.30.1-r3

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Julian Seward, Cambridge, UK.
jseward@bzip.org
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1.2816 metrics-jvm 3.1.5

1.2817 logstash-filter-truncate 1.0.4

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1.2821 x-oauth2 v0.0.0-20191202225959-858c2ad4c8b6

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1.2833 eapache-go-xerial-snappy v0.0.0-20180814174437-776d5712da21

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1.2834 xerces-j 2.11.0

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1.2836 dotenv 5.0.1

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1.2837 validator v9.28.0

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1.2838 lib-pq v1.8.0

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// +build go1.10

package pq

import (  
  "context"  
  "database/sql/driver"
)
// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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package cloud
import (
"bytes"
"io/ioutil"
"os"
"path/filepath"
"strings"
"testing"
)
var sentinels = []string{
"Copyright",
"Google",
`Licensed under the Apache License, Version 2.0 (the "License");`,
}
func TestLicense(t *testing.T) {
t.Parallel()
err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
if err != nil {
return err
}
if ext := filepath.Ext(path); ext != ".go" && ext != ".proto" {
return nil
}
if strings.HasSuffix(path, ".pb.go") {
// .pb.go files are generated from the proto files.
// .proto files must have license headers.
return nil
}
if path == "bigtable/cmd/cbt/cbtdoc.go" {

Open Source Used In MSX Platform Infrastructure 4.0.0 32334


// Automatically generated.
return nil
}
if path == "cmd/go-cloud-debug-agent/internal/debug/elf/elf.go" {
// BSD license, which is compatible, is embedded in the file.
return nil
}
src, err := ioutil.ReadFile(path)
if err != nil {
return nil
}
src = src[:300] // Ensure all of the sentinel values are at the top of the file.

// Find license
for _, sentinel := range sentinels {
if !bytes.Contains(src, []byte(sentinel)) {
    t.Errorf("%v: license header not present. want %q", path, sentinel)
    return nil
}
}

return nil
})
if err != nil {
t.Fatal(err)
}

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.2858 jsonschema 0.2.3

1.2858.1 Available under license:

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* /opt/cola/permits/1110633363_160684077.34/0/json-schema-0-2-3-14-tgz/package/README.md

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/**
 * JSONSchema Validator - Validates JavaScript objects using JSON Schemas
 * (http://www.json.com/json-schema-proposal/)
 *
 * Copyright (c) 2007 Kris Zyp SitePen (www.sitepen.com)
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 * To use the validator call the validate function with an instance object and an optional schema object. If a schema is provided, it will be used to validate. If the instance object refers to a schema (self-validating), that schema will be used to validate and the schema parameter is not necessary (if both exist, both validations will occur). The validate method will return an array of validation errors. If there are no errors, then an empty list will be returned. A validation error will have two properties: "property" which indicates which property had the error "message" which indicates what the error was
 */

Found in path(s):
* /opt/cola/permits/1110633363_160684077.34/0/json-schema-0-2-3-14-tgz/package/lib/validate.js
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/\*  
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\*/

Found in path(s):
\* /opt/cola/permits/1110633363_1606844077.34/0/json-schema-0-2-3-14-tgz/package/lib/links.js

---

**1.2859 e2fsprogs 1.42.9-19.el7**

**1.2859.1 Available under license:**

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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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; Id -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS));
$(MV) pic/$(BSD_LIB) .
$(RM) -f ..$/$(BSD_LIB)
(cd .; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ..$/$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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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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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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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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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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* Nick Ethier (nickethier)
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1.2884 socks-proxy-agent 4.0.2

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socks-proxy-agent

=============

### A SOCKS proxy `http.Agent` implementation for HTTP and HTTPS

[![Build Status](https://travis-ci.org/TooTallNate/node-socks-proxy-agent.svg?branch=master)](https://travis-ci.org/TooTallNate/node-socks-proxy-agent)

This module provides an `http.Agent` implementation that connects to a specified SOCKS proxy server, and can be used with the built-in `http` or `https` modules.

It can also be used in conjunction with the `ws` module to establish a WebSocket connection over a SOCKS proxy. See the "Examples" section below.

Installation

------------

Install with `npm`:

```bash
$ npm install socks-proxy-agent
```

Examples

--------

#### `http` module example

```js
var url = require('url');
var http = require('http');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
```
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

http.get(opts, function (res) {
    console.log('"response" event!', res.headers);
    res.pipe(process.stdout);
});
```

#### `https` module example

``` js
var url = require('url');
var https = require('https');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);
opts.agent = agent;

https.get(opts, function (res) {
    console.log('"response" event!', res.headers);
    res.pipe(process.stdout);
});
```

``` js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);
```

``` js
var WebSocket = require('ws');
var SocksProxyAgent = require('socks-proxy-agent');

// SOCKS proxy to connect to
var proxy = process.env.socks_proxy || 'socks://127.0.0.1:9050';
console.log('using proxy server %j', proxy);
```
// WebSocket endpoint for the proxy to connect to
var endpoint = process.argv[2] || 'ws://echo.websocket.org';
console.log('attempting to connect to WebSocket %j', endpoint);

// create an instance of the `SocksProxyAgent` class with the proxy server information
var agent = new SocksProxyAgent(proxy);

// initiate the WebSocket connection
var socket = new WebSocket(endpoint, { agent: agent });

socket.on('open', function () {
    console.log("open" event!);
    socket.send('hello world');
});

socket.on('message', function (data, flags) {
    console.log("message" event! %j %j', data, flags);
    socket.close();
});

```
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Source Package: xorg
Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel
Stone and others

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2010-2011 Cyril Brulebois <kibi@debian.org>

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1.2893 libverto 0.3.1-r1
1.2893.1 Available under license :

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
update_config_sub
default_prepare
}

build() {
./configure \
--build=$CBUILD \
--host=$CHOST \
--prefix=/usr
make
}
package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da5a5e5e8c02ecc2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725b6ba28f7e7
665430e001ae9bace727b5c8589405256a3c020 libart LGPL-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
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pkgnamelpy3-flake8-copyright
  _pkgnamelpy3-flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgnamelpy3-flake8-copyright}/$_pkgnamelpy3-flake8-copyright-0.2.2.tar.gz"
builddir="$srcdir"/$_pkgnamelpy3-flake8-copyright

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r${pkgrel}" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82fd15
3f0be1bed746446220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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Charlotte, NC 28269
USA

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  default_prepare

  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
  make
}

check() {
  make test
}

package() {
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4feaa16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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Version 3, 19 November 2007

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}
package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb7f7ce92f5ad1bf756725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60  license-list-data-3.8.tar.gz"

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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Automated Testing Framework

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    xmlns:xi="http://www.w3.org/2001/XInclude"
    xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    <xsl:text>This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.</xsl:text>
  </xsl:variable>

  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text">
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
          <xsl:text>Copyright (C) </xsl:text>
          <xsl:call-template name="copyright.years">
            <xsl:with-param name="years" select="year"/>
          </xsl:call-template>
          <xsl:text> </xsl:text>
          <xsl:value-of select="holder"/>
        </xsl:for-each>
      </xsl:with-param>
    </xsl:call-template>
  </xsl:variable>

  <xsl:template>
    <xsl:value-of select="isc.copyright"/>
  </xsl:template>
</xsl:stylesheet>
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/MapMakerInternalMap.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/Table.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/FluentIterable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableMapValues.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableBiMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/SerializingExecutor.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/SerializingExecutor.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingImmutableCollection.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/MinMaxPriorityQueue.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RowSortedTable.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collet/ForwardingSetMultimap.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Atomics.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Equivalence.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/CartesianList.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableRangeMap.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collection/ImmutableRangeSet.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/SipHashFunction.java
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  jar/com/google/common/math/MathPreconditions.java
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  jar/com/google/common/cache/Weigher.java

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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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  jar/com/google/common/collect/MultimapBuilder.java
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  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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  jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
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  jar/com/google/common/collect/ImmutableMapEntry.java
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  jar/com/google/common/eventbus/SubscriberExceptionHandler.java
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  jar/com/google/common/io/CharSequenceReader.java
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http-proxy-agent

===============

### An HTTP(s) proxy `http.Agent` implementation for HTTP


This module provides an `http.Agent` implementation that connects to a specified HTTP or HTTPS proxy server, and can be used with the built-in `http` module.

__Note:__ For HTTP proxy usage with the `https` module, check out `node-https-proxy-agent`.

Installation

------------

Install with `npm`:

```bash
$ npm install http-proxy-agent
```

Example

-------

```js
var url = require('url');
var http = require('http');
var HttpProxyAgent = require('http-proxy-agent');

// HTTP/HTTPS proxy to connect to
var proxy = process.env.http_proxy || 'http://168.63.76.32:3128';
console.log('using proxy server %j', proxy);

// HTTP endpoint for the proxy to connect to
console.log('attempting to GET %j', endpoint);
var opts = url.parse(endpoint);

// create an instance of the `HttpProxyAgent` class with the proxy server information
var agent = new HttpProxyAgent(proxy);
opts.agent = agent;
```

```bash
$ npm install http-proxy-agent
```
```javascript
http.get(opts, function (res) {
    console.log(""response" event!", res.headers);
    res.pipe(process.stdout);
});
```

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  * /opt/cola/permits/1110633572_1612225616.61/0/http-proxy-agent-2-1-0-5-tgz/package/README.md

1.2921 libnpmsearch 2.0.2

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# Path Traversal Samples


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* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/test/data/path_traversal/jwilk/README.md

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Found in path(s):
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/crypto/traditional_encryption.rb
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* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/pass_thru_decompressor.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/null_decompressor.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/streamable_stream.rb
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* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/null_input_stream.rb
* /opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-targZ/lib/zip/null_compressor.rb
#!/usr/bin/env ruby

$VERBOSE = true

require 'rubyunit'
require 'zip'
include Zip

Dir.chdir "test"

class AbstractInputStreamTest < RUNIT::TestCase
  # AbstractInputStream subclass that provides a read method

  TEST_LINES = ['Hello world$/',
                'this is the second line$/',
                'this is the last line']
  TEST_STRING = TEST_LINES.join
  class TestAbstractInputStream
    include AbstractInputStream
    def initialize(aString)
      @contents = aString
      @readPointer = 0
    end

    def read(charsToRead)
      retVal=@contents[@readPointer, charsToRead]
      @readPointer+=charsToRead
      return retVal
    end

    def produceInput
      read(100)
    end

    def inputFinished?
      @contents[@readPointer] == nil
    end
  end

  def setup
    @io = TestAbstractInputStream.new(TEST_STRING)
  end

  def testAbstractInputStream
    refute_equal nil, @io
    refute_equal nil, @io.read(100)
    refute_equal nil, @io.read(100)
    refute_equal nil, @io.produceInput
    refute_equal nil, @io.inputFinished?
  end
end
def test_gets
  assert_equals(TEST_LINES[0], @io.gets)
  assert_equals(TEST_LINES[1], @io.gets)
  assert_equals(TEST_LINES[2], @io.gets)
  assert_equals(nil, @io.gets)
end

def test_getsMultiCharSeperator
  assert_equals("Hello", @io.gets("ll"))
  assert_equals("o world#$/this is the second 1", @io.gets(" d l"))
end

def test_each_line
  lineNumber=0
  @io.each_line { |line|
    assert_equals(TEST_LINES[lineNumber], line)
    lineNumber+=1
  }
end

def test_readlines
  assert_equals(TEST_LINES, @io.readlines)
end

def test_readline
  test_gets
  begin
    @io.readline
    fail "EOFError expected"
  rescue EOFError
  end
end

class ZipEntryTest < RUNIT::TestCase
  TEST_ZIPFILE = "someZipFile.zip"
  TEST_COMMENT = "a comment"
  TEST_COMPRESSED_SIZE = 1234
  TEST_CRC = 325324
  TEST_EXTRA = "Some data here"
  TEST_COMPRESSIONMETHOD = ZipEntry::DEFLATED
  TEST_NAME = "entry name"
  TEST_SIZE = 8432
  TEST_ISDIRECTORY = false

def test_constructorAndGetters
  entry = ZipEntry.new(TEST_ZIPFILE,
def test_equality
    entry1 = ZipEntry.new("file.zip", "name", "isNotCompared", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
    entry2 = ZipEntry.new("file.zip", "name", "isNotComparedXXX", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
    entry3 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extra", 123, 1234, ZipEntry::DEFLATED, 10000)
    entry4 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 123, 1234, ZipEntry::DEFLATED, 10000)
    entry5 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 1234, ZipEntry::DEFLATED, 10000)
    entry6 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::DEFLATED, 10000)
    entry7 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)
    entry8 = ZipEntry.new("file.zip", "name2", "isNotComparedXXX", "something extraXX", 12, 123, ZipEntry::STORED, 10000)

    assert_equal(entry1, entry1)
    assert_equal(entry1, entry2)

    assert(entry2 != entry3)
assert(entry3 != entry4)
assert(entry4 != entry5)
assert(entry5 != entry6)
assert(entry6 != entry7)
assert(entry7 != entry8)
assert(entry7 != "hello")
assert(entry7 != 12)
end
end

module IOizeString
attr_reader :tell

def read(count = nil)
  @tell ||= 0
  count = size unless count
  retVal = slice(@tell, count)
  @tell += count
  return retVal
end

def seek(index, offset)
  @tell ||= 0
  case offset
  when IO::SEEK_END
    newPos = size + index
  when IO::SEEK_SET
    newPos = index
  when IO::SEEK_CUR
    newPos = @tell + index
  else
    raise "Error in test method IOizeString::seek"
  end
  if (newPos < 0 || newPos >= size)
    raise Errno::EINVAL
  else
    @tell = newPos
  end
end

def reset
  @tell = 0
end
end

class ZipLocalEntryTest < RUNIT::TestCase
def test_readLocalEntryHeaderOfFirstTestZipEntry
  ...
File.open(TestZipFile::TEST_ZIP3.zipName) {
  [file]
  entry = ZipEntry.readLocalEntry(file)

  assert_equal('', entry.comment)
  # Differs from windows and unix because of CR LF
  # assert_equal(480, entry.compressedSize)
  # assert_equal(0x2a27930f, entry.crc)
  # extra field is 21 bytes long
  # probably contains some unix attributes or something
  # disabled: assert_equal(nil, entry.extra)
  assert_equal(ZipEntry::DEFLATED, entry.compressionMethod)
  assert_equal(TestZipFile::TEST_ZIP3.entryNames[0], entry.name)
  assert_equal(File.size(TestZipFile::TEST_ZIP3.entryNames[0]), entry.size)
  assert(! entry.isDirectory)
}
end

def test_readLocalEntryFromNonZipFile
  File.open("ziptest.rb") {
    [file]
    assert_equal(nil, ZipEntry.readLocalEntry(file))
  }
end

def test_readLocalEntryFromTruncatedZipFile
  zipFragment=
  File.open(TestZipFile::TEST_ZIP2.zipName) { |f| zipFragment = f.read(12) } # local header is at least 30 bytes
  zipFragment.extend(IOizeString).reset
  entry = ZipEntry.new
  entry.readLocalEntry(zipFragment)
  fail "ZipError expected"
  rescue ZipError
end

def test_writeEntry
  entry = ZipEntry.new("file.zip", "entryName", "my little comment",
  "thisIsSomeExtraInformation", 100, 987654,
  ZipEntry::DEFLATED, 400)
  writeToFile("localEntryHeader.bin", "centralEntryHeader.bin", entry)
  entryReadLocal, entryReadCentral = readFromFile("localEntryHeader.bin", "centralEntryHeader.bin")
  compareLocalEntryHeaders(entry, entryReadLocal)
  compareCDirEntryHeaders(entry, entryReadCentral)
end

private
  def compareLocalEntryHeaders(entry1, entry2)
    assert_equal(entry1.compressedSize, entry2.compressedSize)
  end

  def compareCDirEntryHeaders(entry1, entry2)
    assert_equal(entry1.compressedSize, entry2.compressedSize)
  end

  def compareCentralEntryHeaders(entry1, entry2)
    assert_equal(entry1.crc, entry2.crc)
  end

  def compareLocalEntryHeaders(entry1, entry2)
    assert_equal(entry1.crc, entry2.crc)
    assert_equal(entry1.compressedSize, entry2.compressedSize)
    assert_equal(entry1.isDirectory, entry2.isDirectory)
    assert_equal(entry1.compressionMethod, entry2.compressionMethod)
  end

  def compareCDirEntryHeaders(entry1, entry2)
    assert_equal(entry1.crc, entry2.crc)
    assert_equal(entry1.compressedSize, entry2.compressedSize)
    assert_equal(entry1.isDirectory, entry2.isDirectory)
    assert_equal(entry1.compressionMethod, entry2.compressionMethod)
  end

  def compareCentralEntryHeaders(entry1, entry2)
    assert_equal(entry1.crc, entry2.crc)
    assert_equal(entry1.compressedSize, entry2.compressedSize)
    assert_equal(entry1.isDirectory, entry2.isDirectory)
    assert_equal(entry1.compressionMethod, entry2.compressionMethod)
end

```ruby
```
assert equals(entry1.crc, entry2.crc)
assert equals(entry1.extra, entry2.extra)
assert equals(entry1.compressionMethod, entry2.compressionMethod)
assert equals(entry1.name, entry2.name)
assert equals(entry1.size, entry2.size)
assert equals(entry1.localHeaderOffset, entry2.localHeaderOffset)
end

def compareCDirEntryHeaders(entry1, entry2)
  compareLocalEntryHeaders(entry1, entry2)
  assert equals(entry1.comment, entry2.comment)
end

def writeToFile(localFileName, centralFileName, entry)
  File.open(localFileName, "wb") { |f| entry.writeLocalEntry(f) }
  File.open(centralFileName, "wb") { |f| entry.writeCDirEntry(f) }
end

def readFromFile(localFileName, centralFileName)
  localEntry = nil
  cdirEntry = nil
  File.open(localFileName, "rb") { |f| localEntry = ZipEntry.readLocalEntry(f) }
  File.open(centralFileName, "rb") { |f| cdirEntry = ZipEntry.readCDirEntry(f) }
  return [localEntry, cdirEntry]
end

def test_readEverything
  assert equals(@refText, @decompressor.read)
end

def test_readInChunks
  chunkSize = 5
  while (decompressedChunk = @decompressor.read(chunkSize))
    assert equals(@refText.slice!(0, chunkSize), decompressedChunk)
  end
  assert equals(0, @refText.size)
end

class InflaterTest < RUNIT::TestCase
  include DecompressorTests

def setup
@file = File.new("file1.txt.deflatedData", "rb")
@refText=""
File.open("file1.txt") { |f| @refText = f.read }
@decompressor = Inflater.new(@file)
end

def teardown
  @file.close
end
end

class PassThruDecompressorTest < RUNIT::TestCase
  include DecompressorTests
  TEST_FILE="file1.txt"
  def setup
    @file = File.new(TEST_FILE)
    @refText=""
    File.open(TEST_FILE) { |f| @refText = f.read }
    @decompressor = PassThruDecompressor.new(@file, File.size(TEST_FILE))
  end
  def teardown
    @file.close
  end
end

module AssertEntry
  def assertNextEntry(filename, zis)
    assertEntry(filename, zis, zis.getNextEntry.name)
  end
  def assertEntry(filename, zis, entryName)
    assert_entries(filename, entryName)
    assertEntryContentsForStream(filename, zis, entryName)
  end
  def assertEntryContentsForStream(filename, zis, entryName)
    File.open(filename, "rb") { |file|
      expected = file.read
      actual   = zis.read
      if (expected != actual)
        if (expected.length > 400 || actual.length > 400)
          zipEntryFilename=entryName+.zipEntry
          File.open(zipEntryFilename, "wb") { |file| file << actual }
          fail("File '#{filename}' is different from '#{zipEntryFilename}'")
        end
      end
    }
  end
end

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else
  assert_equal(expected, actual)
end

end

def AssertEntry.assertContents(filename, aString)
  fileContents = ""
  File.open(filename, "rb") { |f| fileContents = f.read }
  if (fileContents != aString)
    if (expected.length > 400 || actual.length > 400)
      stringFile = filename + ".other"
      File.open(stringFile, "wb") { |f| f << aString }
      fail("File '#{filename}' is different from contents of string stored in '#{stringFile}'")
    else
      assert_equal(expected, actual)
    end
  end
end

def assertStreamContents(zis, testZipFile)
  assert(zis != nil)
  testZipFile.entryNames.each { |entryName|
    assertNextEntry(entryName, zis)
  }
  assert_equal(nil, zis.getNextEntry)
end

def assertTestZipContents(testZipFile)
  ZipInputStream.open(testZipFile.zipName) { |zis|
    assertStreamContents(zis, testZipFile)
  }
end

def assertEntryContents(zipFile, entryName, filename = entryName.to_s)
  zis = zipFile.getInputStream(entryName)
  assertEntryContentsForStream(filename, zis, entryName)
  ensure
    zis.close if zis
end

class ZipInputStreamTest < RUNIT::TestCase
include AssertEntry

def test_new
  zis = ZipInputStream.new(TestZipFile::TEST_ZIP2.zipName)
  assertStreamContents(zis, TestZipFile::TEST_ZIP2)
  zis.close
end

def test_openWithBlock
  ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) { |
    zis |
    assertStreamContents(zis, TestZipFile::TEST_ZIP2)
  }
end

def test_openWithoutBlock
  zis = ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName)
  assertStreamContents(zis, TestZipFile::TEST_ZIP2)
end

def test_incompleteReads
  ZipInputStream.open(TestZipFile::TEST_ZIP2.zipName) { |
    zis |
    entry = zis.getNextEntry
    assert_equals(TestZipFile::TEST_ZIP2.entryNames[0], entry.name)
    assert zis.gets.length > 0
    entry = zis getNextEntry
    assert_equals(TestZipFile::TEST_ZIP2.entryNames[1], entry.name)
    assert_equals(0, entry.size)
    assert equals(nil, zis.gets)
    entry = zis.getNextEntry
    assert_equals(TestZipFile::TEST_ZIP2.entryNames[2], entry.name)
    assert zis.gets.length > 0
    entry = zis.getNextEntry
    assert_equals(TestZipFile::TEST_ZIP2.entryNames[3], entry.name)
    assert zis.gets.length > 0
  }
end

class TestFiles
  RANDOM_ASCII_FILE1 = "randomAscii1.txt"
  RANDOM_ASCII_FILE2 = "randomAscii2.txt"
  RANDOM_ASCII_FILE3 = "randomAscii3.txt"
  RANDOM_BINARY_FILE1 = "randomBinary1.bin"
  RANDOM_BINARY_FILE2 = "randomBinary2.bin"
EMPTY_TEST_DIR  = "emptytestdir"

ASCII_TEST_FILES = [ RANDOM_ASCII_FILE1, RANDOM_ASCII_FILE2, RANDOM_ASCII_FILE3 ]
BINARY_TEST_FILES = [ RANDOM_BINARY_FILE1, RANDOM_BINARY_FILE2 ]
TEST_DIRECTORIES = [ EMPTY_TEST_DIR ]
TEST_FILES = [ ASCII_TEST_FILES, BINARY_TEST_FILES, EMPTY_TEST_DIR ].flatten!

def TestFiles.createTestFiles(recreate)
  if (recreate || ! (TEST_FILES.inject(true) { |accum, element| accum && File.exists?(element) })))
    ASCII_TEST_FILES.each_with_index {
      |filename, index|
      createRandomAscii(filename, 1E4 * (index+1))
    }
    BINARY_TEST_FILES.each_with_index {
      |filename, index|
      createRandomBinary(filename, 1E4 * (index+1))
    }
    ensureDir(EMPTY_TEST_DIR)
  end
end

private
def TestFiles.createRandomAscii(filename, size)
  File.open(filename, "wb") {
    |file|
    while (file.tell < size)
      file << rand
    end
  }
end

def TestFiles.createRandomBinary(filename, size)
  File.open(filename, "wb") {
    |file|
    while (file.tell < size)
      file << rand.to_a.pack("V")
    end
  }
end

def TestFiles.ensureDir(name)
  if File.exists?(name)
    return if File.stat(name).directory?
    File.delete(name)
  end
end
Dir.mkdir(name)
end

def TestZipFile.createTestZips(recreate)
  files = Dir.entries(".")
  if (recreate ||
    ! (files.index(TEST_ZIP1.zipName) &&
        files.index(TEST_ZIP2.zipName) &&
        files.index(TEST_ZIP3.zipName) &&
        files.index(TEST_ZIP4.zipName) &&
        files.index("empty.txt") &&
        files.index("short.txt") &&
        files.index("longAscii.txt") &&
        files.index("longBinary.bin") ))
    raise "failed to create test zip '#{TEST_ZIP1.zipName}'" unless
    system("zip #{TEST_ZIP1.zipName} ziptest.rb")
    raise "failed to remove entry from '#{TEST_ZIP1.zipName}'" unless
    system("zip #{TEST_ZIP1.zipName} -d ziptest.rb")

    File.open("empty.txt", "w") { }
    File.open("short.txt", "w") { |file| file << "ABCDEF" }
    ziptestTxt=""
    File.open("ziptest.rb") { |file| ziptestTxt=file.read }
    File.open("longAscii.txt", "w") { |file|
      while (file.tell < 1E5)
        file << ziptestTxt
      end
    }
    testBinaryPattern=""
    File.open("empty.zip") { |file| testBinaryPattern=file.read }
    testBinaryPattern *= 4
File.open("longBinary.bin", "wb") {
  file << testBinaryPattern << rand
end

raise "failed to create test zip '#{TEST ZIP2.zipName}'" unless system("zip #{TEST ZIP2.zipName} #{TEST ZIP2.entryNames.join(' ')}")

# without bash system interprets everything after echo as parameters to # echo including | zip -z ...
raise "failed to add comment to test zip '#{TEST ZIP2.zipName}'" unless system("bash -c \"echo #{TEST ZIP2.comment} | zip -z #{TEST ZIP2.zipName}\"")

raise "failed to create test zip '#{TEST ZIP3.zipName}'" unless system("zip #{TEST ZIP3.zipName} #{TEST ZIP3.entryNames.join(' ')}")

raise "failed to create test zip '#{TEST ZIP4.zipName}'" unless system("zip #{TEST ZIP4.zipName} #{TEST ZIP4.entryNames.join(' ')}")
end

TEST ZIP1 = TestZipFile.new("empty.zip", [])
TEST ZIP2 = TestZipFile.new("4entry.zip", [%w{ longAscii.txt empty.txt short.txt longBinary.bin}, "my zip comment"])
TEST ZIP3 = TestZipFile.new("test1.zip", [%w{ file1.txt }])
TEST ZIP4 = TestZipFile.new("zipWithDir.zip", [%w{ "file1.txt", TestFiles::EMPTY TEST_DIR}])
end

class AbstractOutputStreamTest < RUNIT::TestCase
class TestOutputStream
  include AbstractOutputStream

  attr_accessor :buffer

  def initialize
    @buffer = ""
  end

  def << (data)
@buffer << data
self
end
end

def setup
    @outputStream = TestOutputStream.new
    @origCommaSep = $,
    @origOutputSep = $\nend

def teardown
    $, = @origCommaSep
    $\ = @origOutputSep
end

def test_write
    count = @outputStream.write("a little string")
    assert_equals("a little string", @outputStream.buffer)
    assert_equals("a little string").length, count)

    count = @outputStream.write(". a little more")
    assert_equals("a little string. a little more", @outputStream.buffer)
    assert_equals(". a little more").length, count)
end

def test_print
    $\ = nil # record separator set to nil
    @outputStream.print("hello")
    assert_equals("hello", @outputStream.buffer)
    @outputStream.print(" world.")
    assert_equals("hello world.", @outputStream.buffer)
    @outputStream.print(" You ok ", "out ", "there?")
    assert_equals("hello world. You ok out there?", @outputStream.buffer)

    $\ = "\n"
    @outputStream.print
    assert_equals("hello world. You ok out there?\n", @outputStream.buffer)

    @outputStream.print("I sure hope so!")
    assert_equals("hello world. You ok out there?\nI sure hope so!\n", @outputStream.buffer)

    $, = "X"
    @outputStream.buffer = ""
    @outputStream.print("monkey", "duck", "zebra")
def test_printf
  @outputStream.printf("%d %04x", 123, 123)
  assert_equals("123 007b", @outputStream.buffer)
end

def test_putchar
  @outputStream.putc("A")
  assert_equals("A", @outputStream.buffer)
  @outputStream.putc(65)
  assert_equals("AA", @outputStream.buffer)
end

def test_puts
  @outputStream.puts
  assert_equals("\n", @outputStream.buffer)

  @outputStream.puts("hello", "world")
  assert_equals("\nhello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts("hello\n", "world\n")
  assert_equals("hello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(["hello\n", "world\n"])
  assert_equals("hello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(["hello\n", "world\n"], "bingo")
  assert_equals("hello\nworld\nbingo\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(16, 20, 50, "hello")
  assert_equals("16\n20\n50\nhello\n", @outputStream.buffer)
end
end

module CrcTest
  def runCrcTest(compressorClass)

  assert_equals("monkeyXduckXzebra\n", @outputStream.buffer)

  $\ = nil
  @outputStream.buffer = ""
  @outputStream.print(20)
  assert_equals("20", @outputStream.buffer)
end

def test_printf
  @outputStream.printf("%d %04x", 123, 123)
  assert_equals("123 007b", @outputStream.buffer)
end

def test_putchar
  @outputStream.putc("A")
  assert_equals("A", @outputStream.buffer)
  @outputStream.putc(65)
  assert_equals("AA", @outputStream.buffer)
end

def test_puts
  @outputStream.puts
  assert_equals("\n", @outputStream.buffer)

  @outputStream.puts("hello", "world")
  assert_equals("\nhello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts("hello\n", "world\n")
  assert_equals("hello\nworld\n", @outputStream.buffer)

  @outputStream.buffer = ""
  @outputStream.puts(["hello\n", "world\n"])
str = "Here's a nice little text to compute the crc for! Ho hum, it is nice nice nice indeed."
fakeOut = AbstractOutputStreamTest::TestOutputStream.new

deflater = compressorClass.new(fakeOut)
deflater << str
assert_equals(0x919920fc, deflater.crc)
end
end

class PassThruCompressorTest < RUNIT::TestCase
include CrcTest

def test_size
  File.open("dummy.txt", "wb") { |file|
    compressor = PassThruCompressor.new(file)

    assert_equals(0, compressor.size)

    t1 = "hello world"
    t2 = ""
    t3 = "bingo"

    compressor << t1
    assert_equals(compressor.size, t1.size)

    compressor << t2
    assert_equals(compressor.size, t1.size + t2.size)

    compressor << t3
    assert_equals(compressor.size, t1.size + t2.size + t3.size)
  }
end
def test_crc
  runCrcTest(PassThruCompressor)
end
end

class DeflaterTest < RUNIT::TestCase
include CrcTest

def test_outputOperator
  txt = loadFile("ziptest.rb")
  deflate(txt, "deflatertest.bin")
inflatedTxt = inflate("deflatertest.bin")
assert_equal(txt, inflatedTxt)
end

private
def loadFile(fileName)
  txt = nil
  File.open(fileName, "rb") { |f| txt = f.read }
end

def deflate(data, fileName)
  File.open(fileName, "wb") { |file|
    deflater = Deflater.new(file)
    deflater << data
    deflater.finish
    assert_equal(deflater.size, data.size)
    file << "trailing data for zlib with -MAX_WBITS"
  }
end

def inflate(fileName)
  txt = nil
  File.open(fileName, "rb") { |file|
    inflater = Inflater.new(file)
    txt = inflater.read
  }
end

def test_crc
  runCrcTest(Deflater)
end
end

class ZipOutputStreamTest < RUNIT::TestCase
  include AssertEntry

  TEST_ZIP = TestZipFile::TEST_ZIP2.clone
  TEST_ZIP.zipName = "output.zip"

  def test_new
    zos = ZipOutputStream.new(TEST_ZIP.zipName)
    zos.comment = TEST_ZIP.comment
    writeTestZip(zos)
    zos.close
    assertTestZipContents(TEST_ZIP)
  end
end
def test_open
    ZipOutputStream.open(TEST_ZIP.zipName) { |zos|
        zos.comment = TEST_ZIP.comment
        writeTestZip(zos)
    }
    assertTestZipContents(TEST_ZIP)
end

def test_writingToClosedStream
    assertIOErrorInClosedStream { |zos| zos << "hello world" }
    assertIOErrorInClosedStream { |zos| zos.puts "hello world" }
    assertIOErrorInClosedStream { |zos| zos.write "hello world" }
end

def test_cannotOpenFile
    name = TestFiles::EMPTY_TEST_DIR
    begin
        zos = ZipOutputStream.open(name)
        rescue Exception
            assert($!.kind_of?(Errno::EISDIR) || # Linux
                $!.kind_of?(Errno::EEXIST) || # Windows/cygwin
                $!.kind_of?(Errno::EACCES), # Windows
                "Expected Errno::EISDIR (or on win/cygwin: Errno::EEXIST), but was: #{$!.type}"
            )
        end
    end

module Enumerable
    def compareEnumerables(otherEnumerable)
        def test_cannotOpenFile
            name = TestFiles::EMPTY_TEST_DIR
            begin
                zos = ZipOutputStream.open(name)
                rescue Exception
                    assert($!.kind_of?(Errno::EISDIR) || # Linux
                        $!.kind_of?(Errno::EEXIST) || # Windows/cygwin
                        $!.kind_of?(Errno::EACCES), # Windows
                        "Expected Errno::EISDIR (or on win/cygwin: Errno::EEXIST), but was: #{$!.type}"
                    )
                end
            end

        module Enumerable
            def compareEnumerables(otherEnumerable)
            end
        end
    end
end
otherAsArray = otherEnumerable.to_a
index=0
each_with_index {  
  [element, index]
  return false unless yield(element, otherAsArray[index])
}
return index+1 == otherAsArray.size
end
end

class ZipCentralDirectoryEntryTest < RUNIT::TestCase

def test_readFromStream
  File.open("testDirectory.bin", "rb") {  
    [file]
    entry = ZipEntry.readCDirEntry(file)

    assert_equals("longAscii.txt", entry.name)
    assert_equals(ZipEntry::DEFLATED, entry.compressionMethod)
    assert_equals(106490, entry.size)
    assert_equals(3784, entry.compressedSize)
    assert_equals(0xfcd1799c, entry.crc)
    assert_equals("", entry.comment)

    entry = ZipEntry.readCDirEntry(file)
    assert_equals("empty.txt", entry.name)
    assert_equals(ZipEntry::STORED, entry.compressionMethod)
    assert_equals(0, entry.size)
    assert_equals(0, entry.compressedSize)
    assert_equals(0x0, entry.crc)
    assert_equals("", entry.comment)

    entry = ZipEntry.readCDirEntry(file)
    assert_equals("short.txt", entry.name)
    assert_equals(ZipEntry::STORED, entry.compressionMethod)
    assert_equals(6, entry.size)
    assert_equals(6, entry.compressedSize)
    assert_equals(0xbb76fe69, entry.crc)
    assert_equals("", entry.comment)

    entry = ZipEntry.readCDirEntry(file)
    assert_equals("longBinary.bin", entry.name)
    assert_equals(ZipEntry::DEFLATED, entry.compressionMethod)
    assert_equals(1000024, entry.size)
    assert_equals(70847, entry.compressedSize)
    assert_equals(0x10da7d59, entry.crc)
    assert_equals("", entry.comment)
  }
end
entry = ZipEntry.readCDirEntry(file)
assert_equal(nil, entry)

# Fields that are not check by this test:
#          version made by                 2 bytes
#          version needed to extract       2 bytes
#          general purpose bit flag        2 bytes
#          last mod file time              2 bytes
#          last mod file date              2 bytes
#          compressed size                 4 bytes
#          uncompressed size               4 bytes
#          disk number start               2 bytes
#          internal file attributes        2 bytes
#          external file attributes        4 bytes
#          relative offset of local header 4 bytes

#          file name (variable size)
#          extra field (variable size)
#          file comment (variable size)

)
end

def test_ReadEntryFromTruncatedZipFile
  fragment=""
  File.open("testDirectory.bin") { |f| fragment = f.read(12) } # cdir entry header is at least 46 bytes
  fragment.extend(IO::String)
  entry = ZipEntry.new
  entry.readCDirEntry(fragment)
  fail "ZipError expected"
  rescue ZipError
end

class ZipCentralDirectoryTest < RUNIT::TestCase

  def test_readFromStream
    File.open(TestZipFile::TEST2.zipName, "rb") { |
      zipFile| cdir = ZipCentralDirectory.readFromStream(zipFile)
    assert_equal(TestZipFile::TEST2.entryNames.size, cdir.size)
    assert(cdir.compareEnumerables(TestZipFile::TEST2.entryNames) { |
      cdirEntry, testEntryName| cdirEntry.name == testEntryName
    })
    assert_equal(TestZipFile::TEST2.comment, cdir.comment)
  end
end

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def test_readFromInvalidStream
  File.open("ziptest.rb", "rb") { 
    [zipFile]
    cdir = ZipCentralDirectory.new
    cdir.readFromStream(zipFile)
  }
  fail "ZipError expected!"
rescue ZipError
end

def test_ReadFromTruncatedZipFile
  fragment=""
  File.open("testDirectory.bin") { |f| fragment = f.read }
  fragment.slice!(12) # removed part of first cdir entry. eocd structure still complete
  fragment.extend(IOizeString)
  entry = ZipCentralDirectory.new
  entry.readFromStream(fragment)
  fail "ZipError expected"
rescue ZipError
end

def test_writeToStream
  entries = [ ZipEntry.new("file.zip", "flimse", "myComment", "somethingExtra"),
              ZipEntry.new("file.zip", "secondEntryName"),
              ZipEntry.new("file.zip", "lastEntry.txt", "Has a comment too") ]
  cdir = ZipCentralDirectory.new(entries, "my zip comment")
  File.open("cdirtest.bin", "wb") { |f| cdir.writeToStream(f) }
  cdirReadback = ZipCentralDirectory.new
  File.open("cdirtest.bin", "rb") { |f| cdirReadback.readFromStream(f) }

  assert_equal(cdir.entries, cdirReadback.entries)
end

def test_equality
  cdir1 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                   "somethingExtra"),
                                   ZipEntry.new("file.zip", "secondEntryName"),
                                   ZipEntry.new("file.zip", "lastEntry.txt") ],
                                   "my zip comment")
  cdir2 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                   "somethingExtra"),
                                   ZipEntry.new("file.zip", "secondEntryName"),
                                   ZipEntry.new("file.zip", "lastEntry.txt") ],
                                   "my zip comment")
  cdir3 = ZipCentralDirectory.new([ ZipEntry.new("file.zip", "flimse", nil,
                                   "somethingExtra"),
                                   ZipEntry.new("file.zip", "secondEntryName"),
                                   ZipEntry.new("file.zip", "lastEntry.txt") ],
                                   "my zip comment")
end
"somethingExtra"),
ZipEntry.new("file.zip", "secondEntryName"),
ZipEntry.new("file.zip", "lastEntry.txt")],
"comment?"
end

assert_equal(cdir1, cdir1)
assert_equal(cdir1, cdir2)
assert(cdir1 != cdir3)
assert(cdir2 != cdir3)
assert(cdir2 != cdir3)
assert(cdir3 != cdir4)
assert(cdir3 != "hello")
end
end

class BasicZipFileTest < RUNIT::TestCase
  include AssertEntry

  def setup
    @zipFile = ZipFile.new(TestZipFile::TEST_ZIP2.zipName)
    @testEntryNameIndex=0
  end

  def nextTestEntryName
    retVal=TestZipFile::TEST_ZIP2.entryNames[@testEntryNameIndex]
    @testEntryNameIndex+=1
    return retVal
  end

  def test_entries
    assert_equal(TestZipFile::TEST_ZIP2.entryNames, @zipFile.entries.map { |e| e.name } )
  end

  def test_each
    @zipFile.each {
      [entry]
      assert_equal(nextTestEntryName, entry.name)
    }
    assert_equal(4, @testEntryNameIndex)
  end

  def test_foreach

ZipFile.foreach(TestZipFile::TEST_ZIP2.zipName) { |entry|
  assert_equals(nextTestEntryName, entry.name)
}
assert_equals(4, @testEntryNameIndex)
end

def test_getInputStream
  @zipFile.each { |entry|
    assertEntry(nextTestEntryName, @zipFile.getInputStream(entry), entry.name)
  }
  assert_equals(4, @testEntryNameIndex)
end

def test_getInputStreamBlock
  fileAndEntryName = @zipFile.entries.first.name
  @zipFile.getInputStream(fileAndEntryName) { |zis|
    assertEntryContentsForStream(fileAndEntryName, zis,
      fileAndEntryName)
  }
end
end

class CommonZipFileFixture < RUNIT::TestCase
  include AssertEntry

  EMPTY_FILENAME = "emptyZipFile.zip"
  TEST_ZIP = TestZipFile::TEST_ZIP2.clone
  TEST_ZIP.zipName = "4entry_copy.zip"

def setup
  File.delete(EMPTY_FILENAME) if File.exists?(EMPTY_FILENAME)
  File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)
end
end

class ZipFileTest < CommonZipFileFixture

  def test_createFromScratch
    comment  = "a short comment"
    zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
    zf.comment = comment
  end
end
zf.close

zfRead = ZipFile.new(EMPTY_FILENAME)
assert_equals(comment, zfRead.comment)
assert_equals(0, zfRead.entries.length)
end

def test_add
    srcFile = "ziptest.rb"
    entryName = "newEntryName.rb"
    assert(File.exists? srcFile)
    zf = ZipFile.new(EMPTY_FILENAME, ZipFile::CREATE)
    zf.add(entryName, srcFile)
    zf.close

    zfRead = ZipFile.new(EMPTY_FILENAME)
    assert_equals("", zfRead.comment)
    assert_equals(1, zfRead.entries.length)
    assert_equals(entryName, zfRead.entries.first.name)
    AssertEntry.assertContents(srcFile,
        zfRead.getInputStream(entryName) { |zis| zis.read })
end

def test_addExistingEntryName
    assert_exception(ZipEntryExistsError) {
        ZipFile.open(TEST_ZIP.zipName) {
            zf
            zf.add(zf.entries.first.name, "ziptest.rb")
        }
    }
end

def test_addExistingEntryNameReplace
    gotCalled = false
    replacedEntry = nil
    ZipFile.open(TEST_ZIP.zipName) {
        zf
        replacedEntry = zf.entries.first.name
        zf.add(replacedEntry, "ziptest.rb") { gotCalled = true; true }
    }
    assert(gotCalled)
    ZipFile.open(TEST_ZIP.zipName) {
        zf
        assertContains(zf, replacedEntry, "ziptest.rb")
    }
end

def test_addDirectory
ZipFile.open(TEST_ZIP.zipName) {
|zf|
zf.add(TestFiles::EMPTY_TEST_DIR, TestFiles::EMPTY_TEST_DIR)
}
ZipFile.open(TEST_ZIP.zipName) {
|zf|
dirEntry = zf.entries.detect { |e| e.name == TestFiles::EMPTY_TEST_DIR+"/" }
assert(dirEntry.isDirectory)
}
end
def test_remove
entryToRemove, *remainingEntries = TEST_ZIP.entryNames
File.copy(TestZipFile::TEST_ZIP2.zipName, TEST_ZIP.zipName)
zf = ZipFile.new(TEST_ZIP.zipName)
assert(zf.entries.map { |e| e.name }.include?(entryToRemove))
zf.remove(entryToRemove)
assert(! zf.entries.map { |e| e.name }.include?(entryToRemove))
assert_equals(zf.entries.map {|x| x.name }.sort, remainingEntries.sort)
zf.close
zfRead = ZipFile.new(TEST_ZIP.zipName)
assert(! zfRead.entries.map { |e| e.name }.include?(entryToRemove))
assert_equals(zfRead.entries.map {|x| x.name }.sort, remainingEntries.sort)
zfRead.close
end

def test_rename
entryToRename, *remainingEntries = TEST_ZIP.entryNames
zf = ZipFile.new(TEST_ZIP.zipName)
assert(zf.entries.map { |e| e.name }.include? entryToRename)
newName = "changed name"
assert(! zf.entries.map { |e| e.name }.include?(newName))
zf.rename(entryToRename, newName)
assert(zf.entries.map { |e| e.name }.include? newName)
zf.close
zfRead = ZipFile.new(TEST_ZIP.zipName)
assert(zfRead.entries.map { |e| e.name }.include? newName)
zfRead.close
end

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def test_renameToExistingEntry
    oldEntries = nil
    ZipFile.open(TEST_ZIP.zipName) { |zf| oldEntries = zf.entries }

    assert_exception(ZipEntryExistsError) {
        ZipFile.open(TEST_ZIP.zipName) {
            zf.rename(zf.entries[0], zf.entries[1].name)
        }
    }

    ZipFile.open(TEST_ZIP.zipName) {
        zf
        assert_equals(oldEntries.map{ |e| e.name }, zf.entries.map{ |e| e.name })
    }
end

def test_renameToExistingEntryOverwrite
    oldEntries = nil
    ZipFile.open(TEST_ZIP.zipName) { |zf| oldEntries = zf.entries }

    gotCalled = false
    ZipFile.open(TEST_ZIP.zipName) {
        zf
        zf.rename(zf.entries[0], zf.entries[1].name) { gotCalled = true; true }
    }

    assert(gotCalled)
    oldEntries.delete_at(0)
    ZipFile.open(TEST_ZIP.zipName) {
        zf
        assert_equals(oldEntries.map{ |e| e.name }, zf.entries.map{ |e| e.name })
    }
end

def test_renameNonEntry
    nonEntry = "bogusEntry"
    targetEntry = "targetEntryName"
    zf = ZipFile.new(TEST_ZIP.zipName)
    assert(! zf.entries.include?(nonEntry))
    assert_exception(ZipNoSuchEntryError) {
        zf.rename(nonEntry, targetEntry)
    }
    zf.commit
    assert(! zf.entries.include?(targetEntry))
ensure
def test_renameEntryToExistingEntry
  entry1, entry2, *remaining = TEST_ZIP.entryNames
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert_exception(ZipEntryExistsError) {
    zf.rename(entry1, entry2)
  }
  ensure
  zf.close
end

def test_replace
  unchangedEntries = TEST_ZIP.entryNames.dup
  entryToReplace = unchangedEntries.delete_at(2)
  newEntrySrcFilename = "ziptest.rb"

  zf = ZipFile.new(TEST_ZIP.zipName)
  zf.replace(entryToReplace, newEntrySrcFilename)
  zf.close

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  AssertEntry::assertContents(newEntrySrcFilename, zfRead.getInputStream(entryToReplace) { |is| is.read })
  zfRead.close
end

def test_replaceNonEntry
  entryToReplace = "nonExistingEntryname"
  ZipFile.open(TEST_ZIP.zipName) {
    [zf]
    assert_exception(ZipNoSuchEntryError) {
      zf.replace(entryToReplace, "ziptest.rb")
    }
  }
end

def test_commit
  newName = "renamedFirst"
  zf = ZipFile.new(TEST_ZIP.zipName)
  oldName = zf.entries.first
  zf.rename(oldName, newName)
  zf.commit

  zfRead = ZipFile.new(TEST_ZIP.zipName)
  assert(zfRead.entries.detect { |e| e.name == newName } != nil)
```ruby
assert(zfRead.entries.detect { |e| e.name == oldName } == nil)
zfRead.close

zf.close
end

# This test tests that after commit, you
# can delete the file you used to add the entry to the zip file
# with
def test_commitUseZipEntry
  File.copy(TestFiles::RANDOM_ASCII_FILE1, "okToDelete.txt")
  zf = ZipFile.open(TEST_ZIP.zipName)
  zf.add("okToDelete.txt", "okToDelete.txt")
  assertContains(zf, "okToDelete.txt")
  zf.commit
  File.move("okToDelete.txt", "okToDeleteMoved.txt")
  assertContains(zf, "okToDelete.txt", "okToDeleteMoved.txt")
end

def test_compound1
  renamedName = "renamedName"
  originalEntries = []
  begin
    zf = ZipFile.new(TEST_ZIP.zipName)
    originalEntries = zf.entries.dup

    assertNotContains(zf, TestFiles::RANDOM_ASCII_FILE1)
    zf.add(TestFiles::RANDOM_ASCII_FILE1,
    TestFiles::RANDOM_ASCII_FILE1)
    assertContains(zf, TestFiles::RANDOM_ASCII_FILE1)

    zf.rename(zf.entries[0], renamedName)
    assertContains(zf, renamedName)

    TestFiles::BINARY_TEST_FILES.each { |filename|
      zf.add(filename, filename)
      assertContains(zf, filename)
    }
  end
```

assertContains(zf, originalEntries.last.to_s)
zf.remove(originalEntries.last.to_s)
assertNotContains(zf, originalEntries.last.to_s)

ensure
    zf.close
end
begin
    zfRead = ZipFile.new(TEST_ZIP.zipName)
    assertContains(zfRead, TestFiles::RANDOM_ASCII_FILE1)
    assertContains(zfRead, renamedName)
    TestFiles::BINARY_TEST_FILES.each {
        |filename|
    assertContains(zfRead, filename)
    }
    assertNotContains(zfRead, originalEntries.last.to_s)
    ensure
        zfRead.close
    end
end

def test_compound2
    begin
        zf = ZipFile.new(TEST_ZIP.zipName)
        originalEntries = zf.entries.dup

        originalEntries.each {
            |entry|
            zf.remove(entry)
        }
        assert(zf.entries.empty?)
        TestFiles::ASCII_TEST_FILES.each {
            |filename|
            zf.add(filename, filename)
            assertContains(zf, filename)
        }
        assert_equal(zf.entries.map { |e| e.name }, TestFiles::ASCII_TEST_FILES)
        zf.rename(TestFiles::ASCII_TEST_FILES[0], "newName")
        assertNotContains(zf, TestFiles::ASCII_TEST_FILES[0])
        assertContains(zf, "newName")
        ensure
            zf.close
        end
    begin
        zfRead = ZipFile.new(TEST_ZIP.zipName)
asciiTestFiles = TestFiles::ASCII_TEST_FILES.dup
asciiTestFiles.shift
asciiTestFiles.each { |filename|
  assertContains(zf, filename)
}

assertContains(zf, "newName")
ensure
zfRead.close
end
end

private
def assertContains(zf, entryName, filename = entryName)
  assert(zf.entries.detect { |e| e.name == entryName } != nil, "entry #{entryName} not in #{zf.entries.join(', ')} in zip file #{zf}")
  assertEntryContents(zf, entryName, filename) if File.exists?(filename)
end

def assertNotContains(zf, entryName)
  assert(zf.entries.detect { |e| e.name == entryName } == nil, "entry #{entryName} in #{zf.entries.join(', ')} in zip file #{zf}")
end
end

class ZipFileExtractTest < CommonZipFileFixture
  EXTRACTED_FILENAME = "extEntry"
  ENTRY_TO_EXTRACT, *REMAINING_ENTRIES = TEST_ZIP.entryNames.reverse

  def setup
    super
    File.delete(EXTRACTED_FILENAME) if File.exists?(EXTRACTED_FILENAME)
  end

  def test_extract
    ZipFile.open(TEST_ZIP.zipName) { |zf|
      zf.extract(ENTRY_TO_EXTRACT, EXTRACTED_FILENAME)

      assert(File.exists?(EXTRACTED_FILENAME))
      AssertEntry::assertContents(EXTRACTED_FILENAME, zf.getInputStream(ENTRY_TO_EXTRACT) { |is| is.read })
    }
  end

  def test_extractExists
    writtenText = "written text"
  end
end
File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }

assert_exception(ZipDestinationFileExistsError) {
  ZipFile.open(TEST_ZIP.zipName) {
  zf
  zf.extract(zf.entries.first, EXTRACTED_FILENAME)
}
}
File.open(EXTRACTED_FILENAME, "r") { 
  |f|
  assert_equals(writtenText, f.read)
}
end

def test_extractExistsOverwrite
  writtenText = "written text"
  File.open(EXTRACTED_FILENAME, "w") { |f| f.write(writtenText) }
  gotCalled = false
  ZipFile.open(TEST_ZIP.zipName) {
  zf
  zf.extract(zf.entries.first, EXTRACTED_FILENAME) { gotCalled = true; true }
  }
  assert(gotCalled)
  File.open(EXTRACTED_FILENAME, "r") { 
    |f|
    assert(writtenText != f.read)
  }
end

def test_extractNonEntry
  zf = ZipFile.new(TEST_ZIP.zipName)
  assert_exception(ZipNoSuchEntryError) { zf.extract("nonExistingEntry", "nonExistingEntry") }
  ensure
  zf.close if zf
end

def test_extractNonEntry2
  outFile = "outfile"
  assert_exception(ZipNoSuchEntryError) { 
    zf = ZipFile.new(TEST_ZIP.zipName)
    nonEntry = "hotdog-diddledoo"
    assert(! zf.entries.include?(nonEntry))
    zf.extract(nonEntry, outFile)
    zf.close
  }
  assert(! File.exists?(outFile))
class ZipFileExtractDirectoryTest < CommonZipFileFixture
  TEST_OUT_NAME = "emptyOutDir"

  def openZip(&aProc)
    assert(aProc != nil)
    ZipFile.open(TestZipFile::TEST_ZIP4.zipName, &aProc)
  end

  def extractTestDir(&aProc)
    openZip { |zf|
      zf.extract(TestFiles::EMPTY_TEST_DIR, TEST_OUT_NAME, &aProc)
    }
  end

  def setup
    super
    Dir.rmdir(TEST_OUT_NAME) if File.directory? TEST_OUT_NAME
    File.delete(TEST_OUT_NAME) if File.exists? TEST_OUT_NAME
  end

  def test_extractDirectory
    extractTestDir
    assert(File.directory? TEST_OUT_NAME)
  end

  def test_extractDirectoryExistsAsDir
    Dir.mkdir TEST_OUT_NAME
    extractTestDir
    assert(File.directory? TEST_OUT_NAME)
  end

  def test_extractDirectoryExistsAsFile
    File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
    assert_exception(ZipDestinationFileExistsError) { extractTestDir }
  end

  def test_extractDirectoryExistsAsFileOverwrite
    File.open(TEST_OUT_NAME, "w") { |f| f.puts "something" }
    gotCalled = false
    extractTestDir {
      |entry, destPath|
      gotCalled = true
    }
  end
assert_equals(TEST_OUT_NAME, destPath)
assert(entry.isDirectory)
true
}
assert(gotCalled)
assert(File.directory? TEST_OUT_NAME)
end
end

TestFiles::createTestFiles(ARGV.index("recreate") != nil ||
ARGV.index("recreateonly") != nil)
TestZipFile::createTestZips(ARGV.index("recreate") != nil ||
ARGV.index("recreateonly") != nil)
exit if ARGV.index("recreateonly") != nil

#require 'runit/cui/testrunner'
#RUNIT::CUI::TestRunner.run(ZipFileTest.suite)

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Found in path(s):
  */opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/test/data/file2.txt
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  */opt/cola/permits/1156540485_1619205105.97/0/rubyzip-1-2-4-gem/data-tar-gz/README.md

1.2928 amqp-client 5.9.0

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Manifest-Version: 1.0
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.html, http
-1.1.txt
Bundle-SymbolicName: com.rabbitmq.client
Built-By: root
Bnd-LastModified: 1586866456034
Specification-Title: AMQP
Bundle-DocURL: https://www.rabbitmq.com
Import-Package: com.codahale.metrics;version="[4.1.5)";resolution=opt
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# Initial version authors:
Jeffrey Dean <jeff@google.com>
Sanjay Ghemawat <sanjay@google.com>

# Partial list of contributors:
Kevin Regan <kevin.d.regan@gmail.com>
Johan Bilien <jobi@litl.com>
Mathew Von-Maszewski <https://github.com/matthewvon> (Basho Technologies)
# Test multiple notices all display at once.
query T noticetrace
SELECT crdb_internal.notice('hi'), crdb_internal.notice('i am....'), crdb_internal.notice('otan!!')
----
NOTICE: hi
NOTICE: i am....
NOTICE: otan!!!

subtest test_notice_severity
query T noticetrace
SELECT crdb_internal.notice('debug1', 'do not see this'), crdb_internal.notice('warning', 'but you see this'), crdb_internal.notice('debug2', 'and never this')
----
WARNING: but you see this

statement ok
SET client_min_messages = 'debug1'

query T noticetrace
SELECT crdb_internal.notice('debug1', 'now you see this'), crdb_internal.notice('warning', 'and you see this'), crdb_internal.notice('debug2', 'and never this')
----
DEBUG1: now you see this
WARNING: and you see this

statement ok
CREATE DATABASE d;
CREATE TABLE d.t (x int)

query T noticetrace
ALTER TABLE d.t RENAME TO d.t2
----
NOTICE: renaming tables with a qualification is deprecated
HINT: use ALTER TABLE d.t RENAME TO t2 instead

# Start off with an empty enum, and add values to it.
statement ok
CREATE TYPE color AS ENUM ()

statement ok
ALTER TYPE color ADD VALUE 'black'

query T noticetrace
ALTER TYPE color ADD VALUE IF NOT EXISTS 'black'
----
NOTICE: enum value "black" already exists, skipping

statement ok
CREATE MATERIALIZED VIEW v AS SELECT 1
query T noticetrace
REFRESH MATERIALIZED VIEW CONCURRENTLY v
----
NOTICE: CONCURRENTLY is not required as views are refreshed concurrently

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package base

import {
    "context"
    "time"

    "github.com/cockroachdb/cockroach/pkg/settings/cluster"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
    "github.com/cockroachdb/errors"
}

var errEnterpriseNotEnabled = errors.New("OSS binaries do not include enterprise features")

// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise
// feature is not enabled, including information or a link explaining how to
// enable it.
//
// This function is overridden by an init hook in CCL builds.
var CheckEnterpriseEnabled = func(_ *cluster.Settings, _ uuid.UUID, org, feature string) error {
    return errEnterpriseNotEnabled // nb: this is squarely in the hot path on OSS builds
}

// TimeToEnterpriseLicenseExpiry returns a duration object that measures the time until
// the currently set enterprise license expires starting from the 3rd argument
// passed in.
//
// This function is overridden by an init hook in CCL builds
var TimeToEnterpriseLicenseExpiry = func(
    ctx context.Context, _ *cluster.Settings, _ time.Time,
) (time.Duration, error) {
    return 0, nil
}

// LicenseType returns what type of license the cluster is running with, or
// "OSS" if it is an OSS build.
//
// This function is overridden by an init hook in CCL builds.
var LicenseType = func(st *cluster.Settings) (string, error) {

return "OSS", nil
}
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package sql

import (
    "context"
    "github.com/cockroachdb/cockroach/pkg/settings"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgerror"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"
    "github.com/cockroachdb/cockroach/pkg/util/log"
)

// NoticesEnabled is the cluster setting that allows users
// to enable notices.
var NoticesEnabled = settings.RegisterBoolSetting(
    "sql.notices.enabled",
    "enable notices in the server/client protocol being sent",
    true,
).WithPublic()

// noticeSender is a subset of RestrictedCommandResult which allows
// sending notices.
type noticeSender interface {
    BufferNotice(pgnotice.Notice)
}

// BufferClientNotice implements the tree.ClientNoticeSender interface.
func (p *planner) BufferClientNotice(ctx context.Context, notice pgnotice.Notice) {
    if log.V(2) {
        log.Infof(ctx, "buffered notice: %+v", notice)
    }
    noticeSeverity, ok := pgnotice.ParseDisplaySeverity(pgerror.GetSeverity(notice))
    if !ok {
        noticeSeverity = pgnotice.DisplaySeverityNotice
    }
    if p.noticeSender == nil ||
        noticeSeverity > p.SessionData().NoticeDisplaySeverity ||
        !NoticeEnabled
    }
!NoticesEnabled.Get(&p.execCfg.Settings.SV) {  
// Notice cannot flow to the client - because of one of these conditions:
// * there is no client
// * the session's NoticeDisplaySeverity is higher than the severity of the notice.
// * the notice protocol was disabled
return
}  
p.noticeSender.BufferNotice(notice)
}

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//
// https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

import React from "react";

import step1Img from "assets/nodeMapSteps/1-getLicense.png";
import step2Img from "assets/nodeMapSteps/2-setKey.svg";
import step3Img from "assets/nodeMapSteps/3-seeMap.png";
import { NodeCanvasContainerOwnProps } from "src/views/clusterviz/containers/map/nodeCanvasContainer";
import * as docsURL from "src/util/docs";
import "./needEnterpriseLicense.styl";

// This takes the same props as the NodeCanvasContainer which it is swapped out with.

function Step(props: { num: number; img: string; children: React.ReactNode }) {
    return (
        <div className="license-step">
            <img src={props.img} className="license-step__image" />
            <div className="license-step__text">
                <span className="license-step__stepnum">Step {props.num}:</span> {props.children}
            </div>
        </div>
    );
}

export default class NeedEnterpriseLicense extends React.Component<NodeCanvasContainerOwnProps> {
    render() {
        return (
            <section className="need-license">
                <div className="need-license-blurb">
                    <div>
                        <h1 className="base-heading need-license-blurb__header">View the Node Map</h1>
                        <p className="need-license-blurb__text">
                            The Node Map shows the geographical layout of your cluster, along with metrics and health indicators. To enable the Node Map, request an Enterprise trial license and refer to this configuration guide.
                        </p>
                    </div>
                </div>
            </section>
        );
    }
}
GET A 30-DAY ENTERPRISE TRIAL

Get a trial license delivered straight to your inbox.

Activate the trial license with two simple SQL commands.

Follow this guide to configure localities and locations.

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package builtins

import ("strings"
    "github.com/cockroachdb/cockroach/pkg/sql/pgwire/pgnotice"
    "github.com/cockroachdb/cockroach/pkg/sql/sem/tree"
)
// crdbInternalSendNotice sends a notice.
// Note this is extracted to a different file to prevent churn on the pgwire
// test, which records line numbers.
func crdbInternalSendNotice(
    ctx *tree.EvalContext, severity string, msg string,
) (tree.Datum, error) {
    if ctx.ClientNoticeSender == nil {
        return nil, errors.AssertionFailedf("notice sender not set")
    }
    ctx.ClientNoticeSender.BufferClientNotice(
        ctx.Context,
        pgnotice.NewWithSeverityf(strings.ToUpper(severity), "%s", msg),
    )
    return tree.NewDInt(0), nil
}

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//
//     https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package utilccl

import (
    "context"
    "testing"
    "time"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/settings/cluster"
    "github.com/cockroachdb/cockroach/pkg/testutils"
    "github.com/cockroachdb/cockroach/pkg/util/timeutil"
    "github.com/cockroachdb/cockroach/pkg/util/uuid"
    "github.com/stretchr/testify/require"
)

func TestSettingAndCheckingLicense(t *testing.T) {
    idA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")
    idB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

    ctx := context.Background()
    t0 := timeutil.Unix(0, 0)

    licA, _ := (&licenseccl.License{
        ClusterID:         []uuid.UUID{idA},
        Type:              licenseccl.License_Enterprise,
        ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
    }).Encode()

    licB, _ := (&licenseccl.License{
        ClusterID:         []uuid.UUID{idB},
        Type:              licenseccl.License_Evaluation,
        ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
    }).Encode()

    st := cluster.MakeTestingClusterSettings()

    for i, tc := range []struct {
        lic   string
        checkCluster uuid.UUID
        checkTime  time.Time
    }{
// NB: we're observing the update manifest as changed behavior -- detailed
// testing of that behavior is left to licenseccel's own tests.
{""", idA, t0, "requires an enterprise license"},
// adding a valid lic.
{licA, idA, t0, """},
// clearing an existing lic.
{""", idA, t0, "requires an enterprise license"},
// adding invalid lic.
{licB, idA, t0, "not valid for cluster"},
// clearing an existing, invalid lic.
{""", idA, t0, "requires an enterprise license"},
} {
updater := st.MakeUpdater()
if err := updater.Set(ctx, "enterprise.license", tc.lic, "s"); err != nil {
  t.Fatal(err)
}
err := checkEnterpriseEnabledAt(st, tc.checkTime, tc.checkCluster, "", "", true)
if !testutils.IsError(err, tc.err) {
  l, _ := decode(tc.lic)
  t.Fatalf("%d: lic %v, update by %T, checked by %s at %s, got %q", i, l, updater, tc.checkCluster, tc.checkTime, err)
} }

func TestGetLicenseTypePresent(t *testing.T) {
  ctx := context.Background()
  for _, tc := range []struct {
    licenseType licenseccl.License_Type
    expected string
  }{
    {licenseccl.License_NonCommercial, "NonCommercial"},
    {licenseccl.License_Enterprise, "Enterprise"},
    {licenseccl.License_Evaluation, "Evaluation"},
  } {
    st := cluster.MakeTestingClusterSettings()
    updater := st.MakeUpdater()
    lic, _ := (&licenseccl.License{
      ClusterID:     []uuid.UUID{ },
      Type: tc.licenseType,
      Valid Until UnixSec: 0,
    }).Encode()
    if err := updater.Set(ctx, "enterprise.license", lic, "s"); err != nil {
      t.Fatal(err)
    }
    actual, err := getLicenseType(st)
    if err != nil {
      t.Fatal(err)
    }
    if actual != tc.expected {
      t.Fatalf("%d: got %q, expected %q", i, actual, tc.expected)
    }
  }
}
t.Fatal(err)
}
if actual != tc.expected {
t.Fatalf("expected license type %s, got %s", tc.expected, actual)
}
}

func TestGetLicenseTypeAbsent(t *testing.T) {
expected := "None"
actual, err := getLicenseType(cluster.MakeTestingClusterSettings())
if err != nil {
t.Fatal(err)
}
if actual != expected {
t.Fatalf("expected license type %s, got %s", expected, actual)
}
}

func TestSettingBadLicenseStrings(t *testing.T) {
ctx := context.Background()
for _, tc := range []struct { lic, err string }{
    {"blah", "invalid license string"},
    {"cl-0-blah", "invalid license string"},
} {
    st := cluster.MakeTestingClusterSettings()
u := st.MakeUpdater()

    if err := u.Set(ctx, "enterprise.license", tc.lic, "s"); !testutils.IsError(err, tc.err) {
        t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
    } {
t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
    }
}
}

func TestTimeToEnterpriseLicenseExpiry(t *testing.T) {
ctx := context.Background()
id, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")

t0 := timeutil.Unix(1603926294, 0)

lic1M := (&licenseccl.License{
    ClusterID: [uuid.UUID{id}],
    Type:      licenseccl.License_Enterprise,
    ValidUntilUnixSec: t0.AddDate(0, 1, 0).Unix(),
}).Encode()
lic2M, _ := (&licenseccl.License{
    ClusterID:    []uuid.UUID{id},
    Type:         licenseccl.License_Evaluation,
    ValidUntilUnixSec: t0.AddDate(0, 2, 0).Unix(),
}).Encode()

lic0M, _ := (&licenseccl.License{
    ClusterID:    []uuid.UUID{id},
    Type:         licenseccl.License_Evaluation,
    ValidUntilUnixSec: t0.AddDate(0, 0, 0).Unix(),
}).Encode()

licExpired, _ := (&licenseccl.License{
    ClusterID:    []uuid.UUID{id},
    Type:         licenseccl.License_Evaluation,
    ValidUntilUnixSec: t0.AddDate(0, -1, 0).Unix(),
}).Encode()

st := cluster.MakeTestingClusterSettings()
updater := st.MakeUpdater()

for _, tc := range []struct {
    desc  string
    lic   string
    ttlHours float64
} {
    {"One Month", lic1M, 24 * 31},
    {"Two Month", lic2M, 24*31 + 24*30},
    {"Zero Month", lic0M, 0},
    {"Expired", licExpired, -24 * 30},
    {"No License", "", 0},
} {
    t.Run(tc.desc, func(t *testing.T) {
        if err := updater.Set(ctx, "enterprise.license", tc.lic, "s"); err != nil {
            t.Fatal(err)
        }

        actual, err := TimeToEnterpriseLicenseExpiry(context.Background(), st, t0)
        if err != nil {
            t.Fatal(err)
        }

        require.Equal(t, tc.ttlHours, actual.Hours())
    })
}

# External Contributors - Hall of Fame

## All-Time External Contributors

330 contributors, 1609 commits


## By Year

### 2020

96 contributors, 333 commits

[Erik Grinaker](https://github.com/erikgrinaker) (23), [Aniket Bharsakale](https://github.com/aniketrb-github) (18), [Dima](https://github.com/dgabriel123) (16), [COrWin](https://github.com/COrWin) (15), [Jaewan Park](https://github.com/hueypark) (15), [Shiwanee](https://github.com/Shiwanee) (13), [Abhishek](https://github.com/abhishek2123g) (13), [Max Neverov](https://github.com/mneverov) (13), [Vaibhav](https://github.com/vrungmeal) (11), [Martin Besada](https://github.com/mbesada) (10), [Rohan Suri](https://github.com/rohansuri) (9), [Jol Ghwiler](https://github.com/256dpi) (8),

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### Contributors

- [dkorwar](https://github.com/deeptikorwar) (8)
- [Adzim Zahri](https://github.com/adzimzaf) (7)
- [Marcin Knycha](https://github.com/mknchyac) (7)
- [Neeraj Dodhia](https://github.com/neera) (7)
- [Irkan](https://github.com/irkan-hadi) (6)
- [Eugene Kalinin](https://github.com/ekalinin) (5)
- [In](https://github.com/In) (5)
- [mnovelodou](https://github.com/mnovelodou) (5)
- [Vincent Xiao](https://github.com/vxio) (5)
- [Lai Yongyang](https://github.com/yongyanglai) (5)
- [Cyrus Javan](https://github.com/CyrusJavan) (4)
- [Anthony Huang](https://github.com/Anthuang) (3)
- [Arun Ranganathan](https://github.com/Arunrangan) (3)
- [Jay](https://github.com/JayStag) (3)
- [Alina](https://github.com/alinadonisa) (3)
- [Chanyoung Park](https://github.com/chanyoung) (3)
- [Girish Ramnani](https://github.com/girishramnni) (3)
- [glorv](https://github.com/gloryv) (3)
- [James](https://github.com/james-sabel) (3)
- [Vipul Gupta](https://github.com/vipulgupta2048) (3)
- [Hugo](https://github.com/HugoLiconV) (2)
- [Lars Lehtonen](https://github.com/Lehtonen) (2)
- [Amit Sadaphule](https://github.com/amitsadaphule) (2)
- [Cholerae Hu](https://github.com/choleraeHyq) (2)
- [Oleg Kovalov](https://github.com/cristoloeleg) (2)
- [Georgy Savva](https://github.com/georgysavva) (2)
- [Hiep Doan](https://github.com/hiepd) (2)
- [himanshuchawla009](https://github.com/himanshuchawla009) (2)
- [Jason Brown](https://github.com/jasonbrown) (2)
- [Joshua Shanks](https://github.com/jshanks) (2)
- [Kumar Akshay](https://github.com/kakshay21) (2)
- [Matthew Rathbone](https://github.com/rathboma) (2)
- [Xuhui Lu](https://github/xuhui-lu) (2)
- [Yanxin](https://github/yxmdgyxx) (2)
- [Arjun Mittal](https://github.com/ArjunM98) (1)
- [Anonymous](https://github.com/BurtonQin) (1)
- [Dominique Raul](https://github.com/DomiR) (1)
- [Sergei Gorjunov](https://github.com/Gorjunov) (1)
- [Terry Wong](https://github.com/KungFuLucky7) (1)
- [Nitesh Koushik S](https://github.com/NiteshKoushik) (1)
- [Richard Tweed](https://github.com/RichardO) (1)
- [Tayo](https://github.com/Tayo-00) (1)
- [Udoka Vrede](https://github.com/UdokaVrede) (1)
- [Adrian Popescu](https://github.com/adpescu) (1)
- [Antoine Grondin](https://github.com/aybabtme) (1)
- [Later4ever](https://github/benlatem) (1)
- [Ben McCann](https://github.com/bennmcan) (1)
- [clucle](https://github.com/clucle) (1)
- [damienhollis](https://github.com/damienhollis) (1)
- [Deven Bhooshan](https://github/devenbhooshan) (1)
- [Andrew Grosser](https://github/dioptre) (1)
- [Ian Cowley](https://github/ducrule) (1)
- [George Papadrosou](https://github/giorgosp) (1)
- [Gabriel Jaldon](https://github/gjaldon) (1)
- [Gbor Liptk](https://github/gliptak) (1)
- [Harsh Seth](https://github/hase) (1)
- [J](https://github/jienius) (1)
- [Jake Rote](https://github/jrote1) (1)
- [Jaime Soriano Pastor](https://github/jsoriano) (1)
- [Juan Carlos](https://github.com/juanjcsr) (1)
- [Katie](https://github/katieraby) (1)
- [Kir T](https://github/kirktrue) (1)
- [Lance Rutkin](https://github/lancerutkin) (1)
- [Masroor Hasan](https://github/masroorhasan) (1)
- [Michael Meng](https://github/michaelmeng998) (1)
- [Omar Bahareh](https://github/obahareh) (1)
- [Petr Jedin](https://github/pjediny) (1)
- [Poh Zi How](https://github/pohzihowzi) (1)
- [Pratik Sethi](https://github/pratkSethi) (1)
- [gary rong](https://github/rong493456442) (1)
- [Ruixin Bao](https://github/ruixin-bao) (1)
- [SaintMalik](https://github/saintmalik) (1)
- [Sam Ward](https://github/sward) (1)
- [Shaker Islam](https://github/shaqq) (1)
- [Tan](https://github/tancredosouza) (1)
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- [Themis](https://github/themistoklik) (1)
- [Tom Milligan](https://github/tommilligan) (1)
- [Vincent Thiery](https://github/vthiery) (1)
- [TAKAHASHI Yuto](https://github/y-taka-23) (1)
- [zhiqiangxu](https://github/zhiqiangxu) (1)
- [Zain Malik](https://github/zmalik) (1)

### 2019

48 contributors, 144 commits

[Jaewan Park](https://github.com/hueypark) (21)
[Ryan Kim](https://github.com/Ryanfsdf) (19)
[Christian

---

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### 2018

54 contributors, 120 commits


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73 contributors, 250 commits

### 2016

42 contributors, 320 commits


### 2015

43 contributors, 308 commits

Laflamme(https://github.com/plaflamme) (1), [Jorge Puente-Sarrn](https://github.com/puentessarin) (1), [Chris Routh](https://github.com/routhcr) (1), [Timothy Chen](https://github.com/tnachen) (1), [Xiang Li](https://github.com/xiang90) (1), [Yosi Attias](https://github.com/yosiat) (1), [zhangcoldwater](https://github.com/zhangcoldwater) (1)

### 2014

17 contributors, 134 commits


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# Test notices work as expected by creating a VIEW on a TEMP TABLE.

# Prepare the environment.

send Query {"String": "DROP TABLE IF EXISTS t CASCADE"}
until ignore=NoticeResponse
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"DROP TABLE"}
{"Type":"ReadyForQuery","TxStatus":"I"}

# Start of test.

send
Query{"String": "CREATE TABLE t(x INT, y INT)"}
----

until
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"CREATE TABLE"}
{"Type":"ReadyForQuery","TxStatus":"I"}

send
Query{"String": "CREATE INDEX t_x_idx ON t(x)"}
----

until
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"CREATE INDEX"}
{"Type":"ReadyForQuery","TxStatus":"I"}

send
Query{"String": "CREATE INDEX t_y_idx ON t(y)"}
----

until
ReadyForQuery
----
{"Type":"CommandComplete","CommandTag":"CREATE INDEX"}
{"Type":"ReadyForQuery","TxStatus":"I"}

# Check that crdb reports a notice upon drop index.

send
Query{"String": "DROP INDEX t_x_idx"}
----

until crdb_only
CommandComplete
----
the data for dropped indexes is reclaimed asynchronously. The reclamation delay can be customized in the zone configuration for the table.

until noncrdb_only
CommandComplete
----

until
ReadyForQuery
----

# Disable notices and assert now it is not sent.
send crdb_only
Query {"String": "SET CLUSTER SETTING sql.notices.enabled = false"}
----

until crdb_only
ReadyForQuery
----

# Check that the notice is not printed any more.

send
Query {"String": "DROP INDEX t_y_idx"}
----

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// Code generated by protoc-gen-gogo. DO NOT EDIT.
// source: ccl/utilccl/licenseccl/license.proto

package licenseccl

import (  
    fmt "fmt"  
    github_com_cockroachdb_cockroach(pkg_util_uuid) "github.com/cockroachdb/cockroach/pkg/util/uuid"  
    _ "github.com/gogo/protobuf/protobuf/gogoproto"  
    proto "github.com/gogo/protobuf/protobuf/proto"  
    io "io"  
    math "math"  
    math_bits "math/bits"  
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.GoGoProtoPackageIsVersion3 // please upgrade the proto package

type License_Type int32

const (  
    License_NonCommercial License_Type = 0  
    License_Enterprise License_Type = 1  
    License_Evaluation License_Type = 2  
)

var License_Type_name = map[int32]string{  
    0: "NonCommercial",  
    1: "Enterprise",  
}
var License_Type_value = map[string]int32{
  "NonCommercial": 0,
  "Enterprise": 1,
  "Evaluation": 2,
}

func (x License_Type) String() string {
  return proto.EnumName(License_Type_name, int32(x))
}

func (License_Type) EnumDescriptor() ([]byte, []int) {
  return fileDescriptor_765066c8b2c94c63, []int{0, 0}
}

type License struct {
  ClusterID         []github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
  ValidUntilUnixSec int64
  Type              License_Type
  OrganizationName  string
}

func (m *License) Reset()         { *m = License{} }
func (m *License) String() string { return proto.CompactTextString(m) }
func (*License) ProtoMessage()    {} 
func (*License) Descriptor() ([]byte, []int) {
  return fileDescriptor_765066c8b2c94c63, []int{0}
}

func (m *License) XXX_Unmarshal(b []byte) error {
  return m.Unmarshal(b)
}
func (m *License) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
  b = b[:cap(b)]
  n, err := m.MarshalToSizedBuffer(b)
  if err != nil {
    return nil, err
  }
  return b[:n], nil
}
func (m *License) XXX_Merge(src proto.Message) {
  xxx_messageInfo_License.Merge(m, src)
}

func (m *License) XXX_Size() int {
  return m.Size()
}

func (m *License) XXX_DiscardUnknown() {
  xxx_messageInfo_License.DiscardUnknown(m)
}

var xxx_messageInfo_License proto.InternalMessageInfo

func init() {
  proto.RegisterType((*License)(nil), "cockroach.ccl.utilccl.licenseccl.License")
}

func init() {
  proto.RegisterFile("ccl/utilccl/licenseccl/license.proto", fileDescriptor_765066c8b2e94c63)
}

var fileDescriptor_765066c8b2e94c63 = [...]byte{
  // 362 bytes of a gzipped FileDescriptorProto
  0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x84, 0x91, 0x31, 0x8f, 0xda, 0x30,
  0x1c, 0xc5, 0x63, 0x40, 0xad, 0xb0, 0x5a, 0x14, 0x22, 0x86, 0xa8, 0x83, 0x89, 0x50, 0x87, 0x48,
  0xad, 0xc1, 0xa9, 0x4c, 0x5d, 0x81, 0x4a, 0x45, 0x4a, 0x18, 0xd2, 0x66, 0xe9, 0x12, 0x19, 0xc7,
  0x0a, 0x16, 0xe8, 0x1d, 0x25, 0x36, 0x82, 0x7e, 0x8a, 0x7e, 0xe2, 0xb6, 0x63, 0x44, 0x37, 0xa0,
  0xbb, 0xf0, 0x45, 0x4e, 0x09, 0xe8, 0x60, 0xbb, 0xc9, 0xef, 0xf7, 0xf7, 0xff, 0x99, 0xf0,
  0x33, 0xa5, 0x22, 0x30, 0x9a, 0x8b, 0xfa, 0x14, 0x9c, 0x32, 0x59, 0xb2, 0xb3, 0x89, 0xf3,
  0x42, 0xe9, 0xe5, 0x78, 0x54, 0xd1, 0x75, 0xa1, 0x08, 0x5d, 0x61, 0x4a, 0x05, 0xb6, 0xe6, 0xf1,
  0x2d, 0xff, 0x69, 0x90, 0xda, 0x35, 0xe1, 0xa0, 0x56, 0x17, 0xe6, 0xf4, 0xd0, 0x82, 0xef,
  0x7f, 0x5d, 0x42, 0xe4, 0x0a, 0x21, 0x15, 0xa6, 0xd4, 0xac, 0x88, 0x79, 0xe2, 0x02, 0xaf, 0xed,
  0x7f, 0x98, 0xf0, 0xd6, 0x36, 0x69, 0x38, 0xe4, 0xb9, 0x5e, 0x99, 0x25, 0xa6, 0x2a, 0x0b, 0x5e, 0x9f, 0x4a, 0x96, 0x37, 0x1d, 0xe4, 0xeb, 0xb4, 0x59, 0x33, 0x30, 0x86, 0x27,
  0x38, 0x8a, 0xe6, 0xb3, 0xe6, 0x34, 0xe0, 0xe4, 0xe2, 0x03, 0xe7, 0xb3, 0xb0, 0x7b, 0x9d, 0x3d,
  0x4f, 0x9c, 0x00, 0xe0, 0x36, 0x44, 0xf0, 0x24, 0x36, 0x52, 0x73, 0x11, 0x1b, 0x9c, 0xb7, 0x71,
  0xc9, 0xa8, 0xdb, 0xf2, 0x80, 0xdf, 0x0e, 0xf8, 0x8d, 0x17, 0xd5, 0x56, 0x24, 0xf9, 0x6f, 0x37,
  0xa3, 0xc0, 0x04, 0x76, 0x4f, 0xe2, 0x67, 0x6e, 0xdb, 0x03, 0x7e, 0xef, 0xb1, 0xc6, 0x6f, 0x95,
  0xc5, 0x7d, 0x4a, 0x8f, 0xcf, 0xe2, 0x67, 0x61, 0x3e, 0x3a, 0x5f, 0x60, 0x5f, 0x15, 0x29, 0x91,
  0xc3, 0x1f, 0xda, 0xc5, 0xc6, 0x58, 0x92, 0x8c, 0xb9, 0x1d, 0x0f, 0xf8, 0xd0, 0x8e, 0x37,
  0x16, 0xc4, 0x5d, 0xa3, 0xef, 0xb0, 0x53, 0xa3, 0xe4, 0x1f, 0xe7, 0x5c, 0x28, 0x39, 0x55, 0x59,
  0xc6, 0x0a, 0xca, 0x89, 0xb0, 0x2d, 0x7a, 0x07, 0xe1, 0x0f, 0xa9, 0x59, 0x91, 0x17, 0xbc, 0x64,
  0x36, 0x68, 0xee, 0xb1, 0xc4, 0x03, 0xdb, 0xad, 0xc9, 0xd7, 0xfd, 0x33, 0xb2, 0xf6, 0x15,
  0x02, 0x87, 0x0a, 0x81, 0x63, 0x85, 0x80, 0x53, 0x85, 0xc0, 0xff, 0x33, 0xb2, 0xe0, 0x67, 0x64,
  0x1d, 0xcf, 0xe8, 0xfa, 0xb0, 0xbf, 0xe2, 0xdf, 0x35, 0xdf, 0x30, 0x7e, 0x09, 0x00, 0x00,
  0xff, 0xff, 0xc6, 0x56, 0x7c, 0xf6, 0xe6, 0x01, 0x00, 0x00,
}
func (m *License) Marshal() (dAtA []byte, err error) {
    size := m.Size()
    dAtA = make([]byte, size)
    n, err := m.MarshalToSizedBuffer(dAtA[:size])
    if err != nil {
        return nil, err
    }
    return dAtA[:n], nil
}

func (m *License) MarshalTo(dAtA []byte) (int, error) {
    size := m.Size()
    return m.MarshalToSizedBuffer(dAtA[:size])
}

func (m *License) MarshalToSizedBuffer(dAtA []byte) (int, error) {
    i := len(dAtA)
    _ = i
    var l int
    _ = l
    if len(m.OrganizationName) > 0 {
        i -= len(m.OrganizationName)
        copy(dAtA[i:], m.OrganizationName)
        i = encodeVarintLicense(dAtA, i, uint64(len(m.OrganizationName)))
    }
    dAtA[i] = 0x22
    i--
    if m.Type != 0 {
        i = encodeVarintLicense(dAtA, i, uint64(m.Type))
    }
    dAtA[i] = 0x18
    i--
    if m.ValidUntilUnixSec != 0 {
        i = encodeVarintLicense(dAtA, i, uint64(m.ValidUntilUnixSec))
    }
    dAtA[i] = 0x10
    i--
    if len(m.ClusterID) > 0 {
        for iNdEx := len(m.ClusterID) - 1; iNdEx >= 0; iNdEx-- {
            size := m.ClusterID[iNdEx].Size()
            i -= size
            if _, err := m.ClusterID[iNdEx].MarshalTo(dAtA[i:]); err != nil {
                return 0, err
            }
        }
        i = encodeVarintLicense(dAtA, i, uint64(size))
    }
}
i--
dAtA[i] = 0xa
}

return len(dAtA) - i, nil
}

func encodeVarintLicense(dAtA []byte, offset int, v uint64) int {
    offset -= sovLicense(v)
    base := offset
    for v >= 1<<7 {
        dAtA[offset] = uint8(v&0x7f | 0x80)
        v >>= 7
        offset++
    }
    dAtA[offset] = uint8(v)
    return base
}

func (m *License) Size() (n int) {
    if m == nil {
        return 0
    }
    var l int
    _ = l
    if len(m.ClusterID) > 0 {
        for _, e := range m.ClusterID {
            l = e.Size()
            n += 1 + 1 + sovLicense(uint64(l))
        }
    }
    if m.ValidUntilUnixSec != 0 {
        n += 1 + sovLicense(uint64(m.ValidUntilUnixSec))
    }
    if m.Type != 0 {
        n += 1 + sovLicense(uint64(m.Type))
    }
    l = len(m.OrganizationName)
    if l > 0 {
        n += 1 + 1 + sovLicense(uint64(l))
    }
    return n
}

func sovLicense(x uint64) (n int) {
    return (math_bits.Len64(x|1) + 6) / 7
}

func sozLicense(x uint64) (n int) {
    return sovLicense(uint64((x << 1) ^ uint64((int64(x) >> 63)))))

---

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func (m *License) Unmarshal(dAtA []byte) error {
    l := len(dAtA)
    iNdEx := 0
    for iNdEx < l {
        preIndex := iNdEx
        var wire uint64
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return ErrIntOverflowLicense
            }
            if iNdEx >= 1 {
                return io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
            iNdEx++
            wire |= uint64(b&0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        fieldNum := int32(wire >> 3)
        wireType := int(wire & 0x7)
        if wireType == 4 {
            return fmt.Errorf("proto: License: wireType end group for non-group")
        }
        if fieldNum <= 0 {
            return fmt.Errorf("proto: License: illegal tag %d (wire type %d)", fieldNum, wireType)
        }
        switch fieldNum {
        case 1:
            if wireType != 2 {
                return fmt.Errorf("proto: wrong wireType = %d for field ClusterID", wireType)
            }
            byteLen := int(b&0x7F) << shift
            if b < 0x80 {
                break
            }
        }
    }
    return ErrIntOverflowLicense
}
if iNdEx >= 1 {
    return io.ErrUnexpectedEOF
}
    b := dAtA[iNdEx]
iNdEx++
    byteLen := int(b&0x7F) << shift
    if b < 0x80 {
        break
    }
}
if byteLen < 0 {
    return ErrInvalidLengthLicense
}
postIndex := iNdEx + byteLen
if postIndex < 0 {
    return ErrInvalidLengthLicense
}
if postIndex > l {
    return io.ErrUnexpectedEOF
}
var v github_com_cockroachdb_cockroach_pkg_util_uuid.UUID
m.ClusterID = append(m.ClusterID, v)
if err := m.ClusterID[len(m.ClusterID)-1].Unmarshal(dAtA[iNdEx:postIndex]); err != nil {
    return err
}
iNdEx = postIndex

case 2:
    if wireType != 0 {
        return fmt.Errorf("proto: wrong wireType = %d for field ValidUntilUnixSec", wireType)
    }
    m.ValidUntilUnixSec = 0
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return ErrIntOverflowLicense
        }
        if iNdEx >= l {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
        iNdEx++
        m.ValidUntilUnixSec |= int64(b&0x7F) << shift
        if b < 0x80 {
            break
        }
    }

case 3:
    if wireType != 0 {
        return fmt.Errorf("proto: wrong wireType = %d for field Type", wireType)
    }
    m.Type = 0
    for shift := uint(0); ; shift += 7 {
        if shift >= 64 {
            return ErrIntOverflowLicense
        }
        if iNdEx >= 1 {
            return io.ErrUnexpectedEOF
        }
        b := dAtA[iNdEx]
        iNdEx++
        m.ValidUntilUnixSec |= int64(b&0x7F) << shift
        if b < 0x80 {
            break
        }
    }
b := dAtA[iNdEx]
iNdEx++
m.Type |= License_Type(b&0x7F) << shift
if b < 0x80 {
break
}
case 4:
if wireType != 2 {
return fmt.Errorf("proto: wrong wireType = %d for field OrganizationName", wireType)
}
vart stringLen uint64
for shift := uint(0); ; shift += 7 {
if shift >= 64 {
return ErrIntOverflowLicense
}
if iNdEx >= 1 {
return io.ErrUnexpectedEOF
}
b := dAtA[iNdEx]
iNdEx++
stringLen |= uint64(b&0x7F) << shift
if b < 0x80 {
break
}
}
intStringLen := int(stringLen)
if intStringLen < 0 {
return ErrInvalidLengthLicense
}
postIndex := iNdEx + intStringLen
if postIndex < 0 {
return ErrInvalidLengthLicense
}
if postIndex > 1 {
return io.ErrUnexpectedEOF
}
m.OrganizationName = string(dAtA[iNdEx:postIndex])
iNdEx = postIndex
default:
iNdEx = preIndex
skippable, err := skipLicense(dAtA[iNdEx:])
if err != nil {
return err
}
if (skippable < 0) || (iNdEx+skippable) < 0 {
return ErrInvalidLengthLicense
}
if (iNdEx + skippy) > l {
    return io.ErrUnexpectedEOF
}
iNdEx += skippy
}

if iNdEx > 1 {
    return io.ErrUnexpectedEOF
}
return nil
}
func skipLicense(dAtA []byte) (n int, err error) {
    l := len(dAtA)
iNdEx := 0
    depth := 0
    for iNdEx < l {
        var wire uint64
        for shift := uint(0); ; shift += 7 {
            if shift >= 64 {
                return 0, ErrIntOverflowLicense
            }
            if iNdEx >= l {
                return 0, io.ErrUnexpectedEOF
            }
            b := dAtA[iNdEx]
iNdEx++
            wire |= (uint64(b) & 0x7F) << shift
            if b < 0x80 {
                break
            }
        }
        wireType := int(wire & 0x7)
        switch wireType {
        case 0:
            for shift := uint(0); ; shift += 7 {
                if shift >= 64 {
                    return 0, ErrIntOverflowLicense
                }
                if iNdEx >= l {
                    return 0, io.ErrUnexpectedEOF
                }
                iNdEx++
            }
            wire |= (uint64(b) & 0x7F) << shift
            if b < 0x80 {
                break
            }
        case 1:
iNdEx += 8

var length int
for shift := uint(0); ; shift += 7 {
    if shift >= 64 {
        return 0, ErrIntOverflowLicense
    }
    if iNdEx >= l {
        return 0, io.ErrUnexpectedEOF
    }
    b := dAtA[iNdEx]
    iNdEx++
    length |= (int(b) & 0x7F) << shift
    if b < 0x80 {
        break
    }
}
if length < 0 {
    return 0, ErrInvalidLengthLicense
}
iNdEx += length

case 2:
    depth++

case 3:
    if depth == 0 {
        return 0, ErrUnexpectedEndOfGroupLicense
    }

depth--

case 4:

    iNdEx += 4

default:
    return 0, fmt.Errorf("proto: illegal wireType %d", wireType)
}
if iNdEx < 0 {
    return 0, ErrInvalidLengthLicense
}
if depth == 0 {
    return iNdEx, nil
}

return 0, io.ErrUnexpectedEOF

var (  
    ErrInvalidLengthLicense = fmt.Errorf("proto: negative length found during unmarshaling")  
    ErrIntOverflowLicense = fmt.Errorf("proto: integer overflow")  
    ErrUnexpectedEndOfGroupLicense = fmt.Errorf("proto: unexpected end of group")
)
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//
//     https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package utilccl

import (    "fmt"    "testing"    "time"

    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
    "github.com/cockroachdb/cockroach/pkg/ccl/utilccl/licenseccl"
)

func TestLicense(t *testing.T) {
    clusterA, _ := uuid.FromString("A0000000-0000-0000-0000-00000000000A")
    clusterB, _ := uuid.FromString("B0000000-0000-0000-0000-00000000000B")

    clustersA, clustersB := []uuid.UUID{clusterA}, []uuid.UUID{clusterB}
    t0 := timeutil.Unix(0, 0)
    ts := t0.AddDate(40, 0, 0)
    after := ts.Add(time.Hour * 24)
    before := ts.Add(time.Hour * -24)
    wayAfter := ts.Add(time.Hour * 24 * 365 * 200)

    for i, tc := range []struct {
        licType licenseccl.License_Type
        grantedTo []uuid.UUID
        expiration time.Time
        checkCluster uuid.UUID
        checkOrg string
    }
checkTime  time.Time
err          string
}

{licType: -1, err: "requires an enterprise license"},
{licenseccl.License_Evaluation, clustersA, ts, clusterA, "", ts, ""},
{licenseccl.License_Enterprise, clustersA, ts, clusterA, "", ts, ""},
{licenseccl.License_NonCommercial, clustersA, ts, clusterA, "", ts, ""},
{licenseccl.License_Evaluation, clustersA, after, clusterA, "", ts, ""},
{licenseccl.License_Evaluation, clustersA, ts, clusterA, "", before, ""},
{licenseccl.License_Evaluation, clustersA, wayAfter, clusterA, "", ts, ""},

// expirations.
{licenseccl.License_Evaluation, clustersA, ts, clusterA, "", after, "expired"},
{licenseccl.License_Evaluation, clustersA, after, clusterA, "", wayAfter, "expired"},
{licenseccl.License_NonCommercial, clustersA, after, clusterA, "", wayAfter, "expired"},
{licenseccl.License_NonCommercial, clustersA, t0, clusterA, "", wayAfter, ""},
{licenseccl.License_Evaluation, clustersA, t0, clusterA, "", wayAfter, ""},

// grace period.
{licenseccl.License_Enterprise, clustersA, after, clusterA, "", wayAfter, ""},

// mismatch.
{licenseccl.License_Enterprise, clustersA, ts, clusterB, "", ts, "not valid for cluster"},
{licenseccl.License_Enterprise, clustersB, ts, clusterA, "", ts, "not valid for cluster"},
{licenseccl.License_Enterprise, append(clustersB, clusterA), ts, clusterA, "", ts, ""},
{licenseccl.License_Enterprise, nil, ts, clusterA, "", ts, "license valid only for"},
{licenseccl.License_Enterprise, nil, ts, clusterA, "tc-17", ts, ""},

var lic *licenseccl.License
if tc.licType != -1 {
    s, err := (&licenseccl.License{
        ClusterID:         tc.grantedTo,
        ValidUntilUnixSec: tc.expiration.Unix(),
        Type:              tc.licType,
        OrganizationName:  fmt.Sprintf("tc-%d", i),
    }).Encode()
    if err != nil {
        t.Fatal(err)
    }
    lic, err = decode(s)
    if err != nil {
        t.Fatal(err)
    }
}

lic, err = decode(s)
if err != nil {
    t.Fatal(err)
}
if err := check(
    lic, tc.checkTime, tc.checkCluster, tc.checkOrg, "", true, 
); !testutils.IsError(err, tc.err) {

t.Fatalf("%d: lic for %s to %s, checked by %s at %s\n got %q", i, tc.grantedTo, tc.expiration, tc.checkCluster, tc.checkTime, err)
}
}

func TestBadLicenseStrings(t *testing.T) {
for _, tc := range []struct{ lic, err string }{
{"blah", "invalid license string"},
{"crl-0-&&&&&", "invalid license string"},
{"crl-0-blah", "invalid license string"},
} {
if _, err := decode(tc.lic); !testutils.IsError(err, tc.err) {
t.Fatalf("%q: expected err %q, got %v", tc.lic, tc.err, err)
}
}
}

func TestExpiredLicenseLanguage(t *testing.T) {
lic := &licensecl.License{
    Type: licensecl.License_Evaluation,
    ValidUntilUnixSec: 1,
}
err := check(lic, timeutil.Now(), uuid.MakeV4(), "", "RESTORE", true)
expected := "Use of RESTORE requires an enterprise license. Your evaluation license expired on " +
    "January 1, 1970. If you're interested in getting a new license, please contact " +
    "subscriptions@cockroachlabs.com and we can help you out."
if err == nil || err.Error() != expected {
t.Fatalf("expected err:\n%s\ngot:\n%v", expected, err)
}
}

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//
// https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package utilccl

import {
    "bytes"
    "context"
    "strings"
    "sync/atomic"
    "time"
var enterpriseLicense = func() *settings.StringSetting {
    s := settings.RegisterValidatedStringSetting(
        "enterprise.license",
        "the encoded cluster license",
        func(sv *settings.Values, s string) error {
            _, err := decode(s)
            return err
        },
    )
    // Even though string settings are non-reportable by default, we
    // still mark them explicitly in case a future code change flips the
    // default.
    s.SetReportable(false)
    s.SetVisibility(settings.Public)
    return s
}()

// testingEnterprise determines whether the cluster is enabled
// or disabled for the purposes of testing.
// It should be loaded and stored using atomic as it can race with an
// in progress kv reader during TestingDisableEnterprise /
// TestingEnableEnterprise.
var testingEnterprise int32

const (
    testingEnterpriseDisabled = 0
    testingEnterpriseEnabled  = 1
)

// errEnterpriseRequired is returned by check() when the caller does
// not request detailed errors.
var errEnterpriseRequired = pgerror.New(pgcode.CCLValidLicenseRequired,
    "a valid enterprise license is required")

// licenseCacheKey is used to cache licenses in cluster.Settings.Cache,
// keeping the entries private.
type licenseCacheKey string

// TestingEnableEnterprise allows overriding the license check in tests.
func TestingEnableEnterprise() func() {
    before := atomic.LoadInt32(&testingEnterprise)
    atomic.StoreInt32(&testingEnterprise, testingEnterpriseEnabled)
    return func() {
        atomic.StoreInt32(&testingEnterprise, before)
    }
}

// TestingDisableEnterprise allows re-enabling the license check in tests.
func TestingDisableEnterprise() func() {
    before := atomic.LoadInt32(&testingEnterprise)
    atomic.StoreInt32(&testingEnterprise, testingEnterpriseDisabled)
    return func() {
        atomic.StoreInt32(&testingEnterprise, before)
    }
}

// CheckEnterpriseEnabled returns a non-nil error if the requested enterprise
// feature is not enabled, including information or a link explaining how to
// enable it.
//
// This should not be used in hot paths, since an unavailable feature will
// result in a new error being instantiated for every call -- use
// IsEnterpriseEnabled() instead.
func CheckEnterpriseEnabled(st *cluster.Settings, cluster uuid.UUID, org, feature string) error {
    return checkEnterpriseEnabledAt(st, timeutil.Now(), cluster, org, feature, true /* withDetails */)
}

// IsEnterpriseEnabled returns whether the requested enterprise feature is
// enabled. It is faster than CheckEnterpriseEnabled, since it does not return
// details about why the feature is unavailable, and can therefore be used in
// hot paths.
func IsEnterpriseEnabled(st *cluster.Settings, cluster uuid.UUID, org, feature string) bool {
    return checkEnterpriseEnabledAt(
        st, timeutil.Now(), cluster, org, feature, false /* withDetails */) == nil
}

func init() {
    base.CheckEnterpriseEnabled = CheckEnterpriseEnabled
    base.LicenseType = getLicenseType
    base.TimeToEnterpriseLicenseExpiry = TimeToEnterpriseLicenseExpiry
}

// TimeToEnterpriseLicenseExpiry returns a Duration from `asOf` until the current
// enterprise license expires. If a license does not exist, we return a
// zero duration.
func TimeToEnterpriseLicenseExpiry(
ctx context.Context, st *cluster.Settings, asOf time.Time,
) (time.Duration, error) {
license, err := getLicense(st)
if err != nil || license == nil {
return 0, err
}
expiration := timeutil.Unix(license.ValidUntilUnixSec, 0)
return expiration.Sub(asOf), nil
}
func checkEnterpriseEnabledAt(
st *cluster.Settings, at time.Time, cluster uuid.UUID, org, feature string, withDetails bool,
) error {
if atomic.LoadInt32(&testingEnterprise) == testingEnterpriseEnabled {
return nil
}
license, err := getLicense(st)
if err != nil {
return err
}
return check(license, at, cluster, org, feature, withDetails)
}
// getLicense fetches the license from the given settings, using Settings.Cache
// to cache the decoded license (if any). The returned license must not be
// modified by the caller.
func getLicense(st *cluster.Settings) (*licenseccl.License, error) {
str := enterpriseLicense.Get(&st.SV)
if str == "" {
return nil, nil
}
cacheKey := licenseCacheKey(str)
if cachedLicense, ok := st.Cache.Load(cacheKey); ok {
return cachedLicense.(*licenseccl.License), nil
}
license, err := decode(str)
if err != nil {
return nil, err
}
st.Cache.Store(cacheKey, license)
return license, nil
}
func getLicenseType(st *cluster.Settings) (string, error) {

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license, err := getLicense(st)
if err != nil {
    return "", err
} else if license == nil {
    return "None", nil
}
return license.Type.String(), nil

// decode attempts to read a base64 encoded License.
func decode(s string) (*licenseccl.License, error) {
    lic, err := licenseccl.Decode(s)
    if err != nil {
        return nil, pgerror.WithCandidateCode(err, pgcode.Syntax)
    }
    return lic, nil
}

// check returns an error if the license is empty or not currently valid. If
// withDetails is false, a generic error message is returned for performance.
func check(
    l *licenseccl.License, at time.Time, cluster uuid.UUID, org, feature string, withDetails bool,
) error {
    if l == nil {
        if !withDetails {
            return errEnterpriseRequired
        }
        // TODO(dt): link to some stable URL that then redirects to a helpful page
        // that explains what to do here.
        link := "https://cockroachlabs.com/pricing?cluster="
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
            "use of %s requires an enterprise license. "+
            "see %s%s for details on how to enable enterprise features",
            errors.Safe(feature),
            link,
            cluster.String(),
        )
    }
    // We extend some grace period to enterprise license holders rather than
    // suddenly throwing errors at them.
    if l.ValidUntilUnixSec > 0 && l.Type != licenseccl.License_Enterprise {
        if expiration := timeutil.Unix(l.ValidUntilUnixSec, 0); at.After(expiration) {
            if !withDetails {
                return errEnterpriseRequired
            }
            licensePrefix := redact.SafeString(""
            switch l.Type {

case licensecl.License_NonCommercial:
    licensePrefix = "non-commercial 
    case licensecl.License_Evaluation:
    licensePrefix = "evaluation 
    }
    return pgerror.Newf(pgcode.CCLValidLicenseRequired,
    ""Use of %s requires an enterprise license. Your %slicense expired on %s. If you're "+
    "interested in getting a new license, please contact subscriptions@cockroachlabs.com "+
    "and we can help you out.",
    errors.Safe(feature),
    licensePrefix,
    expiration.Format("January 2, 2006"),
    )
    }
    }

    if l.ClusterID == nil {
        if strings.EqualFold(l.OrganizationName, org) {
            return nil
        }
        if !withDetails {
            return errEnterpriseRequired
        }
        return pgerror.Newf(pgcode.CCLValidLicenseRequired,
        ""license valid only for %q", l.OrganizationName)
    }

    for _, c := range l.ClusterID {
        if cluster == c {
            return nil
        }
    }

    // no match, so compose an error message.
    if !withDetails {
        return errEnterpriseRequired
    }
    var matches bytes.Buffer
    for i, c := range l.ClusterID {
        if i > 0 {
            matches.WriteString(" , ")
        }
        matches.WriteString(c.String())
    }
    return pgerror.Newf(pgcode.CCLValidLicenseRequired,
    "license for cluster(s) %s is not valid for cluster %s",
    matches.String(), cluster.String(),
    )
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@require '~styl/base/palette.styl'

.need-license
  padding-left 70px
  padding-right 70px
  padding-top 70px
  padding-bottom 30px

.need-license-blurb
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//
//     https://github.com/cockroachdb/cockroach/blob/master/licenses/CCL.txt

package licenseccl

import (
    "encoding/base64"
    "strings"
    "github.com/cockroachdb/cockroach/pkg/util/protoutil"
    "github.com/cockroachdb/errors"
)

// LicensePrefix is a prefix on license strings to make them easily recognized.
const LicensePrefix = "crl-0-"

// Encode serializes the License as a base64 string.
func (l *License) Encode() (string, error) {
    bytes, err := protoutil.Marshal(l)
    if err != nil {
        return "", err
    }
    return LicensePrefix + base64.RawStdEncoding.EncodeToString(bytes), nil
}

// Decode attempts to read a base64 encoded License.
func Decode(s string) (*License, error) {
    if s == "" {
        return nil, nil
    }
    if !strings.HasPrefix(s, LicensePrefix) {
        return nil, errors.New("invalid license string")
    }
    s = strings.TrimPrefix(s, LicensePrefix)
    data, err := base64.RawStdEncoding.DecodeString(s)
    if err != nil {
        return nil, errors.Wrapf(err, "invalid license string")
    }
    return Decode(data), nil
}
```go
var lic License
if err := protoutil.Unmarshal(data, &lic); err != nil {
    return nil, errors.Wrap(err, "invalid license string")
}
return &lic, nil
}
```

PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)

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Version: 0.8.0
Summary: Python module for TRE
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Author-email: ville@laurikari.net
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* /opt/cola/permits/1130788353_1612811420.75/0/tre-0-8-0-2-tar-gz/tre-0.8.0/PKG-INFO

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/*
tre-python.c - TRE Python language bindings

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1.2935 super-csv 2.4.0

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1.2955 kubernetes v1.21.0-rc.0

1.2955.1 Available under license:

```go
package types

import "time"

// FeatureType store features types
type FeatureType string

const (  
    // HA means High Availability
    HA = FeatureType("HA")
    // DEV means developer licence
    DEV = FeatureType("DEV")
    // TRIAL means trial licence
    TRIAL = FeatureType("TRIAL")
)

// Licence holds the information to be encoded in the licence key. It needs to be synced across
// the django server running on portal-API as well as the corresponding decoding package on the
// storageOS control plane
type Licence struct {
    ArrayUUID string                 `json:"arrayUUID,omitempty"
    ClusterID string                  `json:"clusterID,omitempty"
    CustomerID string                 `json:"customerID"
    CustomerName string               `json:"customerName"
    Storage   int                     `json:"storage"
    ValidUntil time.Time              `json:"validUntil"
    LicenceType string                `json:"licenceType"
    Features   map[FeatureType]bool   `json:"features"
    Unregistered bool                  `json:"unregistered"
}

// LicenceKeyContainer - stores a licence key
type LicenceKeyContainer struct {
    Key string `json:"key"
}
```

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Chad Kunde <kunde21@gmail.com>
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Christophe Meessen <christophe.meessen@gmail.com>
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Dan Kortschak <dan.kortschak@adelaide.edu.au> <dan@kortschak.io>
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Dario Heinisch <dario.heinisch@gmail.com>
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David Samborski <bloggingarrow@gmail.com>
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Scott Holden <scott@sshconnection.com>
Sebastien Binet <seb.binet@gmail.com>
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Spencer Lyon <spencerlyon2@gmail.com>
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// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL string `json:"url,omitempty"
}
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= vendor/github.com/golang/protobuf/LICENSE 939cce1ec101726fa754e698ac871622
package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf("Plugin " + n.Plugin + ", in plugin "%v"\n        } else {
        s += fmt.Sprintf("Option " + n.Option + " in plugin "%v"\n        }
    if n.Severity == unsupported {
        s += "is unsupported by this migration tool in ", in plugin "%v"\n    } else if n.Severity == newdefault {
        s += "is added as a default in ", in plugin "%v"\n    } else {
        s += "is " + n.Severity + " in ", in plugin "%v"\n    }
if n.ReplacedBy != "" {
    s += fmt.Sprintf(` It is replaced by "%v"`, n.ReplacedBy)
}
if n.Additional != "" {
    s += " " + n.Additional
}
return s
}

const (  // The following statuses are used to indicate the state of support/deprecation in a given release.
    deprecated = "deprecated" // deprecated, but still completely functional
    ignored     = "ignored"   // if included in the corefile, it will be ignored by CoreDNS
    removed     = "removed"   // completely removed from CoreDNS, and would cause CoreDNS to exit if present in
                             // the Corefile
    newdefault  = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present
                             // in the corefile.
    unsupported = "unsupported" // the plugin/option is not supported by the migration tool
                             // The following statuses are used for selecting/filtering notifications
    all = "all" // show all statuses
)

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# Copying Container Files

## Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

Copy requires that *tar* be installed in the container image.

## Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

```bash
ekubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

## Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

```bash
ekubectl cp <some-pod>:/tmp/foo /tmp/bar
```
## Specify the Container

Specify the Container within a Pod running multiple containers.

```
- `-c <container-name>`
```

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `<namespace>`/.

```
- `<pod-namespace>/<pod-name>:<path>`
```

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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Alain Vongsouvanh <alainv@google.com>
Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfiz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
Ivan Krasin <krasin@golang.org>
Jason Hall <jasonhall@google.com>
Johan Euphrosine <proppy@gmail.com>
Kostik Shtoyk <kostik@gmail.com>
Kunpei Sakai <namusyaka@gmail.com>
Matthew Dolan <dolan@lightstep.com>
Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Nick Craig-Wood <nickcw@gmail.com>
Robbie Trencheny <me@robbiet.us>
Ross Light <light@google.com>
Sarah Adams <shadams@google.com>
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Abhijeet Kasurde <akasurde@redhat.com>
abrarshivani <abrarshivani@users.noreply.github.com>
Adam Shannon <adamkshannon@gmail.com>
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CuiHaozhi <cuihaozhi@chinacloud.com.cn>
Danny Lockard <danny.lockard@banno.com>
Dave Tucker <dave@dtucker.co.uk>
Davide Agnello <dagnello@hp.com>
David Stark <dave@davidstark.name>
Davinder Kumar <davinderk@vmware.com>
Deric Crago <deric.crago@gmail.com>
Doug MacEachern <dougm@vmware.com>
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Eric Gray <egray@vmware.com>
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Gavin Gray <gavin@infinio.com>
Gavrie Philipson <gavrie.philipson@elastifile.com>
George Hicken <ghicken@vmware.com>
Gerrit Renker <Gerrit.Renker@ctl.io>
gthombare <gthombare@vmware.com>
Hasan Mahmood <mahmoodh@vmware.com>
Henrik Hodne <henrik@travis-ci.com>
Isaac Rodman <isaac@eyz.us>
Ivan Porto Carrero <icarrero@vmware.com>
James King <james.king@emc.com>
Jason Kincl <jkincl@gmail.com>
Jeremy Canady <jcanady@jackhenry.com>
jeremy-clerc <jeremy@clerc.io>
Jiatong Wang <wjiatong@vmware.com>
Joo Pereira <joaadrp@gmail.com>
Jonas Ausevicius <jonas.ausevicius@virtustream.com>
Jorge Sevilla <jorge.sevilla@rstor.io>
kayrus <kay.diam@gmail.com>
Kevin George <georgek@vmware.com>
leslie-qiwa <leslie.qiwa@gmail.com>
Louie Jiang <jiangl@vmware.com>
maplain <fangyuani@vmware.com>
Marc Carmier <mcarmier@gmail.com>
Maria Ntalla <maria.ntalla@gmail.com>
Marin Atanasov Nikolov <mnikolov@vmware.com>
Matt Clay <matt@mystile.com>
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import (  
"encoding/json"
  
"github.com/storageos/go-api/types"
)

const (  
// licenceAPIPrefix is a partial path to the HTTP endpoint.  
licenceAPIPrefix = "licencing"
)

// Licence returns the current licence on the server.  
func (c *Client) Licence() (*types.Licence, error) {  
  resp, err := c.do("GET", licenceAPIPrefix, doOptions{})  
  if err != nil {  
    return nil, err  
  }  
  defer resp.Body.Close()  
  licence := &types.Licence{}  
  if err := json.NewDecoder(resp.Body).Decode(&licence); err != nil {  
    return nil, err  
  }  
  return licence, nil
}

// LicenceApply applies a licence on the server.  
func (c *Client) LicenceApply(licenceKey string) error {  
  _, err := c.do("POST", licenceAPIPrefix, doOptions{  
    data: &types.LicenceKeyContainer{Key: licenceKey},  
  }); return err
}

// LicenceDelete removes the current licence.  
func (c *Client) LicenceDelete() error {  
  resp, err := c.do("DELETE", licenceAPIPrefix, doOptions{})  
  if err != nil {  
    return err  
  }  
  return resp.Body.Close()
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tomb - support for clean goroutine termination in Go.

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# Please keep the list sorted.

Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>
Alex Reece <awreece@gmail.com>
David Symonds <dsymonds@golang.org>
Ryan Barrett <ryanb@google.com>

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import (  
"github.com/vmware/govmomi/object"
"github.com/vmware/govmomi/vim25/methods"
"github.com/vmware/govmomi/vim25/mo"
"github.com/vmware/govmomi/vim25/soap"
"github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license  
var EvalLicense = types.LicenseManagerLicenseInfo{  
LicenseKey: "00000-00000-00000-00000-00000",  
EditionKey: "eval",  
Name:  "Evaluation Mode",  
Properties: []types.KeyAnyValue{  
  {  
    Key: "feature",  
    Value: types.KeyValue{  
      Key: "serialuri:2",  
      Value: "Remote virtual Serial Port Concentrator",  
    },  
  },  
  {  
    Key: "feature",  
    Value: types.KeyValue{  
      Key: "dvs",  
      Value: "vSphere Distributed Switch",  
    },  
  },  
  },  
}  
  
}

// LicenseManager struct

function NewLicenseManager(ref types.ManagedObjectReference) object.Reference {  
  m := &LicenseManager{}  
  m.Self = ref  
  m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}  
  
  if Map.IsVPX() {  
    am := Map.Put(&LicenseAssignmentManager{}).Reference()  
    m.LicenseAssignmentManager = &am  
  }  
  
  return m  
}
func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:    req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...) //...}
            return body
        }
    }

    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{

    for i := range m.Licenses {
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)
for j := range license.Labels {
    label := &license.Labels[j]

    if label.Key == req.LabelKey {
        if req.LabelValue == "" {
            license.Labels = append(license.Labels[:i], license.Labels[i+1:]...)
        } else {
            label.Value = req.LabelValue
        }
        return body
    }
}

license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})

return body

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }
}
body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
    EntityId: req.EntityId,
    AssignedLicense: EvalLicense,
}

return body

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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procsfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.2966 connect-runtime 2.0.1

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1.2968 flutter 2.1.2

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import 'dart:async';
import 'dart:io';

import 'package:flutter_driver/flutter_driver.dart';
import 'package:path/path.dart' as path;
import 'package:test/test.dart' hide TypeMatcher, isInstanceOf;
import 'package:vm_service_client/vm_service_client.dart';

// Connect and disconnect from the empty app.
void main() {
  // Load the license file from disk to compare it with the one in the app.
  final File licenseFile = File(path.join('..', '..', '..', 'packages', 'flutter', 'LICENSE'));
  if (!licenseFile.existsSync()) {
    print('Test failed. Unable to find LICENSE file at ${licenseFile.path}');
    exit(-1);
  }
  final RegExp newlineSplit = RegExp(r'\s+');
  final String license = licenseFile.readAsStringSync().split(newlineSplit).join(' ').trim();

  group('License file check', () {
    FlutterDriver driver;
    IsolatesWorkaround workaround;

    setUpAll(() async {
      driver = await FlutterDriver.connect();
      workaround = IsolatesWorkaround(driver);
      await workaround.resumeIsolates();
      await driver.waitUntilFirstFrameRasterized();
    });

    tearDownAll(() async {
      if (driver != null) {
        await driver.close();
        await workaround.tearDown();
      }
    });

    test('flutter license', () async {
      await driver.waitFor(find.byValueKey('Header'));
      final String foundPackage = await driver.getText(find.byValueKey('FlutterPackage'));
      ....
    });
  });
}
final String foundLicense = await driver.getText(find.byValueKey('FlutterLicense'));
expect(foundPackage, equals('Flutter'));
expect(foundLicense, equals(license));
});

test('engine license', () async {
  await driver.waitFor(find.byValueKey('Header'));
  final String foundPackage = await driver.getText(find.byValueKey('EnginePackage'));
  final String foundLicense = await driver.getText(find.byValueKey('EngineLicense'));
  expect(foundPackage, equals('engine'));
  // The engine has the same license, but with a different Copyright date.
  expect(foundLicense, contains(license.replaceFirst('2014', '2013')));
});
});
}

/// Workaround for isolates being paused by driver tests.
/// https://github.com/flutter/flutter/issues/24703
class IsolatesWorkaround {
  IsolatesWorkaround(this._driver);

  final FlutterDriver _driver;
  StreamSubscription<VMIsolateRef> _streamSubscription;

  Future<void> resumeIsolates() async {
    final VM vm = await _driver.serviceClient.getVM();
    // Resume any paused isolate
    for (final VMIsolateRef isolateRef in vm.isolates) {
      final VMIsolate isolate = await isolateRef.load();
      if (isolate.isPaused) {
        isolate.resume();
      }
    }
    if (_streamSubscription != null) {
      return;
    }
    _streamSubscription = _driver.serviceClient.onIsolateRunnable
        .asBroadcastStream()
        .listen((VMIsolateRef isolateRef) async {
      final VMIsolate isolate = await isolateRef.load();
      if (isolate.isPaused) {
        isolate.resume();
      }
    });
  }

  Future<void> tearDown() async {
    if (_streamSubscription != null) {
    }
}

---

Open Source Used In MSX Platform Infrastructure 4.0.0 34001
await _streamSubscription.cancel();
}
}

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import 'package:flutter/foundation.dart';
import 'package:flutter/material.dart';
import 'package:flutter_driver/driver_extension.dart';

/// This application does nothing but show a screen with the flutter package
/// license in it.
void main() {
  enableFlutterDriverExtension();
  runApp(ShowLicenses());
}

class ShowLicenses extends StatelessWidget {
  Widget _buildTestResultWidget(
   BuildContext context,
    AsyncSnapshot<List<LicenseEntry>> snapshot,
  ) {
    final List<LicenseEntry> entries = snapshot.data;
    String flutterPackage = "";
    final List<String> flutterParagraphs = <String>[
      String enginePackage = "";
      final List<String> engineParagraphs = <String>[
        for (final LicenseEntry entry in entries) {
          if (entry.packages.contains('flutter')) {
            flutterPackage = 'flutter';
            flutterParagraphs.addAll(
              entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
            );
          } else if (entry.packages.contains('engine')) {
            enginePackage = 'engine';
            engineParagraphs.addAll(
              entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
            );
          }
        }
        final List<Widget> result = <Widget>[
          const Text('License Check Test', key: ValueKey<String>('Header')),
        ];
        if (entries.isNotEmpty) {
          result.addAll(<Widget>[
            const Text('Flutter License', key: ValueKey<String>('Header')),
            ...flutterParagraphs.map<String>((String para) => para.text),
          );
        } else {
          result.addAll(<Widget>[
            const Text('Engine License', key: ValueKey<String>('Header')),
            ...engineParagraphs.map<String>((String para) => para.text),
          ];
        }
        return result;
      }
      return _buildTestResultWidget(context, snapshot);
    }
  }

// This application does nothing but show a screen with the flutter package
// license in it.
void main() {
  enableFlutterDriverExtension();
  runApp(ShowLicenses());
}
TODO: Add your license here.

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import 'dart:async';
import 'package:meta/meta.dart' show visibleForTesting;

typedef LicenseEntryCollector = Stream<LicenseEntry> Function();

class LicenseParagraph {
  LicenseParagraph(this.text, this.indent);
  final String text;
  final int indent;

  static const int centeredIndent = -1;
}

class LicenseEntry {
  // A license that covers part of the application's software or assets, to show
  // in an interface such as the [LicensePage].
  // For optimal performance, [LicenseEntry] objects should only be created on
abstract class LicenseEntry {
  const LicenseEntry();
  Iterable<String> get packages;
  Iterable<LicenseParagraph> get paragraphs;
}

dart enum _LicenseEntryWithLineBreaksParserState {
  beforeParagraph,
  inParagraph,
}

/// Variant of [LicenseEntry] for licenses that separate paragraphs with blank
/// lines and that hard-wrap text within paragraphs. Lines that begin with one
/// or more space characters are also assumed to introduce new paragraphs,
/// unless they start with the same number of spaces as the previous line, in
/// which case it’s assumed they are a continuation of an indented paragraph.
///
/// For example, the BSD license in this format could be encoded as follows:
///
/// ```dart
/// void initMyLibrary() {
///   LicenseRegistry.addLicense(() async* {
///     yield LicenseEntryWithLineBreaks(<String>['my_library'],
///       ```
///        Copyright 2016 The Sample Authors. All rights reserved.
///        
///        Redistribution and use in source and binary forms, with or without
///        modification, are permitted provided that the following conditions are
///        met:
///        
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/// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
/// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
/// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
///
/// This would result in a license with six [paragraphs], the third, fourth, and
/// fifth being indented one level.
///
/// ## Performance considerations
///
/// Computing the paragraphs is relatively expensive. Doing the work for one
/// license per frame is reasonable; doing more at the same time is ill-advised.
/// Consider doing all the work at once using [compute] to move the work to
/// another thread, or spreading the work across multiple frames using
/// [SchedulerBinding.scheduleTask].

class LicenseEntryWithLineBreaks extends LicenseEntry {
  /// Create a license entry for a license whose text is hard-wrapped within
  /// paragraphs and has paragraph breaks denoted by blank lines or with
  /// indented text.

  const LicenseEntryWithLineBreaks(this.packages, this.text);

  @override
  final List<String> packages;

  /// The text of the license.
  ///
  /// The text will be split into paragraphs according to the following
  /// conventions:
  ///
  /// * Lines starting with a different number of space characters than the
  ///   previous line start a new paragraph, with those spaces removed.
  /// * Blank lines start a new paragraph.
  /// * Other line breaks are replaced by a single space character.
  /// * Leading spaces on a line are removed.
/// For each paragraph, the algorithm attempts (using some rough heuristics) to identify how indented the paragraph is, or whether it is centered.

final String text;

@override Iterable<LicenseParagraph> get paragraphs sync* {
    int lineStart = 0;
    int currentPosition = 0;
    int lastLineIndent = 0;
    int currentLineIndent = 0;
    int currentParagraphIndentation;
    _LicenseEntryWithLineBreaksParserState state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
    final List<String> lines = <String>[
    ];

    void addLine() {
        assert(lineStart < currentPosition);
        lines.add(text.substring(lineStart, currentPosition));
    }

    LicenseParagraph getParagraph() {
        assert(lines.isNotEmpty);
        assert(currentParagraphIndentation != null);
        final LicenseParagraph result = LicenseParagraph(lines.join(' '), currentParagraphIndentation);
        assert(result.text.trimLeft() == result.text);
        assert(result.text.isNotEmpty);
        lines.clear();
        return result;
    }

    while (currentPosition < text.length) {
        switch (state) {
            case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
                assert(lineStart == currentPosition);
                switch (text[currentPosition]) {
                    case ' ':
                        lineStart = currentPosition + 1;
                        currentLineIndent += 1;
                        state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
                        break;
                    case '	':
                        lineStart = currentPosition + 1;
                        currentLineIndent += 8;
                        state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
                        break;
                    case '':
                    case '
':
                    case '':
                        break;
                    default:  
                        assert(false);  
                }
                break;
            case _LicenseEntryWithLineBreaksParserState.afterParagraph:
                break;
        }
    }
}
if (lines.isNotEmpty) {
    yield getParagraph();
}
if (text[currentPosition] == '\' \' \'
    && text[currentPosition + 1] == '\n') {
    currentPosition += 1;
}
lastLineIndent = 0;
currentLineIndent = 0;
currentParagraphIndentation = null;
lineStart = currentPosition + 1;
state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
break;
case 'T':
    // This is a bit of a hack for the LGPL 2.1, which does something like this:
    //
    // [this is a
    //  single paragraph]
    //
    // ...near the top.
    currentLineIndent += 1;
    continue startParagraph;
startParagraph:
    default:
    if (lines.isNotEmpty && currentLineIndent > lastLineIndent) {
        yield getParagraph();
        currentParagraphIndentation = null;
    }
    // The following is a wild heuristic for guessing the indentation level.
    // It happens to work for common variants of the BSD and LGPL licenses.
    if (currentParagraphIndentation == null) {
        if (currentLineIndent > 10)
            currentParagraphIndentation = LicenseParagraph.centeredIndent;
        else
            currentParagraphIndentation = currentLineIndent ~/ 3;
    }
    state = _LicenseEntryWithLineBreaksParserState.inParagraph;
    break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
    switch (text[currentPosition]) {
    case 'n':
        addLine();
        lastLineIndent = currentLineIndent;
        currentLineIndent = 0;
        lineStart = currentPosition + 1;
        state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
        break;
case '\f':
    addLine();
    yield getParagraph();
    lastLineIndent = 0;
    currentLineIndent = 0;
    currentParagraphIndentation = null;
    lineStart = currentPosition + 1;
    state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
    break;
default:
    state = _LicenseEntryWithLineBreaksParserState.inParagraph;
    break;
}
currentPosition += 1;
}
switch (state) {
    case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
        if (lines.isNotEmpty) {
            yield getParagraph();
        }
        break;
    case _LicenseEntryWithLineBreaksParserState.inParagraph:
        addLine();
        yield getParagraph();
        break;
}
} // A registry for packages to add licenses to, so that they can be displayed
// together in an interface such as the [LicensePage].
/// // Packages can register their licenses using [addLicense]. User interfaces
// that wish to show all the licenses can obtain them by calling [licenses].
/// // The flutter tool will automatically collect the contents of all the LICENSE
// files found at the root of each package into a single LICENSE file in the
// default asset bundle. Each license in that file is separated from the next
// by a line of eighty hyphens (`-`), and begins with a list of package names
// that the license applies to, one to a line, separated from the next by a
// blank line. The `services` package registers a license collector that splits
// that file and adds each entry to the registry.
/// // The LICENSE files in each package can either consist of a single license, or
// can be in the format described above. In the latter case, each component
// license and list of package names is merged independently.
/// See also:
///
/// * [showAboutDialog], which shows a Material-style dialog with information
///   about the application, including a button that shows a [LicensePage] that
///   uses this API to select licenses to show.
/// * [AboutListTile], which is a widget that can be added to a [Drawer]. When
///   tapped it calls [showAboutDialog].

class LicenseRegistry {
  // This class is not meant to be instantiated or extended; this constructor
  // prevents instantiation and extension.
  // ignore: unused_element
  LicenseRegistry._();

  static List<LicenseEntryCollector> _collectors;

  /// Adds licenses to the registry.
  ///
  /// To avoid actually manipulating the licenses unless strictly necessary,
  /// licenses are added by adding a closure that returns a list of
  /// [LicenseEntry] objects. The closure is only called if [licenses] is itself
  /// called; in normal operation, if the user does not request to see the
  /// licenses, the closure will not be called.
  static void addLicense(LicenseEntryCollector collector) {
    _collectors ??= <LicenseEntryCollector>[];
    _collectors.add(collector);
  }

  /// Returns the licenses that have been registered.
  ///
  /// Generating the list of licenses is expensive.
  static Stream<LicenseEntry> get licenses async* {
    if (_collectors == null)
      return;
    for (final LicenseEntryCollector collector in _collectors)
      yield* collector();
  }

  /// Resets the internal state of [LicenseRegistry]. Intended for use in
  /// testing.
  @visibleForTesting
  static void reset() {
    _collectors = null;
  }

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  // found in the LICENSE file.
import 'package:file/memory.dart';
import 'package:flutter_tools/src/asset.dart';
import 'package:flutter_tools/src/base/file_system.dart';
import 'package:flutter_tools/src/convert.dart';
import 'package:package_config/package_config.dart';
import 'package:package_config/package_config_types.dart';
import '../src/common.dart';

const String _kMitLicense = r'''
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Copyright (c) 6789 Lester

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of this software and associated documentation files (the "Software"), to deal
in the Software without restriction, including without limitation the rights
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AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
SOFTWARE.
''';

const String _kApacheLicense = r'''
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Version 2.0, January 2004
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```
void main() {
    FileSystem fileSystem;
```
LicenseCollector licenseCollector;

setUp() {
  fileSystem = MemoryFileSystem.test();
  licenseCollector = LicenseCollector(fileSystem: fileSystem);
}

testWithoutContext('processes dependent licenses according to instructions', () async {
  fileSystem.file('foo/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kMitLicense);
  fileSystem.file('bar/NOTICES')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kApacheLicense);
  // NOTICES is preferred over LICENSE
  fileSystem.file('bar/LICENSE')
    ..createSync(recursive: true)
    ..writeAsStringSync('SHOULD NOT BE INCLUDED');
  fileSystem.file('fizz/LICENSE')
    ..createSync(recursive: true)
    ..writeAsStringSync(_kMitLicense); // intentionally a duplicate

  final File packageConfigFile = fileSystem.file('package_config.json')
    ..writeAsStringSync(json.encode(
      <String, Object> {
        'configVersion': 2,
        'packages': <Object> [
          <String, Object> {
            'name': 'foo',
            'rootUri': 'file:///foo/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          },
          <String, Object> {
            'name': 'bar',
            'rootUri': 'file:///bar/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          },
          <String, Object> {
            'name': 'fizz',
            'rootUri': 'file:///fizz/',
            'packageUri': 'lib/',
            'languageVersion': '2.2'
          }]
      }
    ));
final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);
final LicenseResult result = licenseCollector.obtainLicenses(packageConfig);

// All included licenses are combined in the result.
expect(result.combinedLicenses, contains(_kApacheLicense));
expect(result.combinedLicenses, contains(_kMitLicense));

// String from LICENSE file was not included when NOTICES exists.
expect(result.combinedLicenses, isNot(contains('SHOULD NOT BE INCLUDED')));

// Licenses are de-duplicated correctly.
expect(result.combinedLicenses.split(LicenseCollector.licenseSeparator), hasLength(2));

// All input licenses included in result.
final Iterable<String> filePaths = result.dependencies.map((File file) => file.path);
expect(filePaths, unorderedEquals(<String>[
    '/foo/NOTICES',
    '/bar/NOTICES',
    '/fizz/LICENSE'
]));
}

1.2969 lz4-java 1.4.1
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1.2972 opensaml-saml-impl 3.3.0

1.2973 eclipse 3.7.1.R37x_v20110808-1106

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1.2974 latencyutils 2.0.3

1.2975 cmd-shim 3.0.3

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1.2980 gorilla v1.8.0

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
Garrick Evans <garrick@google.com>
Glenn Lewis <gmlewis@google.com>
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Matthew Whisenhunt <matt.whisenhunt@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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@import './layout';
%notice {
  border-radius: $decor-radius-100;
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abrarshivani <abrarshivani@users.noreply.github.com>  
Adam Shannon <adamkshannon@gmail.com>  
akutz <sakutz@gmail.com>  
Alessandro Cortiana <alessandro.cortiana@gmail.com>  
Alex Bozhenko <alexbozhenko@fb.com>  
Alvaro Miranda <kikitux@gmail.com>  
amandahla <amanda.andrade@serpro.gov.br>  
Amanda H. L. de Andrade <amanda.andrade@serpro.gov.br>  
Amit Bathla <abathla@vmware.com>  
amit bezaelel <amit.bezaelel@hpe.com>  
Andrew Chin <andrew@andrewtchin.com>  
Anfernee Yongkun Gui <agui@vmware.com>  
aniketGslab <aniket.shinde@gslab.com>  
Arran Walker <arran.walker@zopa.com>  
Aryeh Weinreb <aryehweinreb@gmail.com>  
Austin Parker <aparker@apprenda.com>  
Balu Dontu <bdontu@vmware.com>  
bastienbc <bastien.barbe.creuly@gmail.com>  
Bob Killen <killen.bob@gmail.com>  
Brad Fitzpatrick <bradfitz@golang.org>  
Bruce Downs <bruceadowns@gmail.com>  
Cdric Blomart <cbloart@gmail.com>  
Chris Marchesi <chrism@vanclueverttech.com>  
Christian Hltje <docwhat@gerf.org>  
Clint Greenwood <cgreenwood@vmware.com>  
Danny Lockard <danny.lockard@banno.com>  
Dave Tucker <dave@dtucker.co.uk>  
Davide Agnello <dagnello@hp.com>  
David Stark <dave@davidstark.name>  
Deric Crago <deric.crago@gmail.com>  
Doug MacEachern <dougm@vmware.com>  
Eloy Coto <eloy.coto@gmail.com>  
Eric Gray <egray@vmware.com>  
Eric Yutao <eric.yutao@gmail.com>  
Erik Hollensbe <github@hollensbe.org>  
Fabio Rapposelli <fabio@vmware.com>
import (  
"io/ioutil"  
"strings"  
"time"
)
type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"

    // The product the license is valid for
    Product string `json:"product"

    // License Specific Flags
    Flags map[string]interface{} `json:"flags"

    // List of features enabled by the license
    Features []string `json:"features"
}

type LicenseReply struct {
    Valid bool
    License *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}
func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.newRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return "", err
    }
    defer resp.Body.Close()
    data, err := ioutil.ReadAll(resp.Body)
    if err != nil {
        return "", err
    }
    return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    defer resp.Body.Close()
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := requireOK(op.c.doRequest(r))
    if err != nil {
        return nil, err
    }
    return &reply, nil
}
defer resp.Body.Close()

if err := decodeBody(resp, &reply); err != nil {
    return nil, err
}

return &reply, nil
}

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>>> golang_glog-23def4e6c14b4da8ac2ed8007337bc5eb5007998

Go support for leveled logs, analogous to https:code.google.compgoogle-glog

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f

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>>> codegangsta_cli-master

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868dfa9b202a3c8be315aaa

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>>> d2g_dhcp4-f0e4d29ff0231dce36e250b2ed9ff08412584bca
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>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071

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>> godbus_dbus-230e4b23db2f81c53eaa0073f76659d4849ce51

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http://github.com/gogo/protobuf

Go support for Protocol Buffers - Google's data interchange format

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>>> gogoprotobuf_protoc-gen-gogo_descriptor-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> golang_lint-cb00e5669539f047b2f4c53a421a01b0c8e172c6

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>>> mreiferson_go-httpclient-31f0106b4474f14bc441575c19d3a5fa21aa1f6c

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>>> tomb_v1-dd632973f1e7218eb1089048e0798ec9ae7dceb8

tomb - support for clean goroutine termination in Go.

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>>> urfave_cli_v1-0bdeddeeb0f650497d603c4ad7b20cfe685682f6

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+build appengine

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package short

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
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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_inquire.c
lib/gssapi/mechglue/g_inquire_context.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>
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```bash
-- vile: txtmode file-encoding=utf-8

>>> openssh-7.5p1-11.ph2

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Cryptographic attack detector for ssh - source code

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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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>>> openssl-1.0.2q-1.ph2

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description: sets up CBQ-based traffic control

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Maciej Soltysiak <solt@dns.toxicfilms.tv>
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his C header file is part of the SoftFloat IEC/IEEE Floating-point Arithmetic Package, Release 2.

Written by John R. Hauser. This work was made possible in part by the International Computer Science Institute, located at Suite 600, 1947 Center Street, Berkeley, California 94704. Funding was partially provided by the National Science Foundation under grant MIP-9311980. The original version of this code was written as part of a project to build a fixed-point vector processor in collaboration with the University of California at Berkeley, overseen by Profs. Nelson Morgan and John Wawrzynek. More information is available through the Web page http://www.jhauser.us/arithmetic/SoftFloat-2b/SoftFloat-source.txt

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Reasonably optimised generic C-code for memcpy on Microblaze
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This code offers a very basic support for this EISA bus present in the SGI Indigo-2. It currently only supports PIO (forget about DMA for the time being). This is enough for a low-end ethernet card, but forget about your favorite SCSI card...

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A more complete resource is the third edition of "Linux Device Drivers" by Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman. LDD3 is available for free (under Creative Commons License) from:

http://lwn.net/Kernel/LDD3/

However, keep in mind that all documents are subject to "bit rot". Refer to the source code if things are not working as described here.

Please send questions/comments/patches about Linux PCI API to the
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procps-ng-3.3.15.tar.xz\procps-ng-3.3.15.tar\procps-ng-3.3.15\mkinstalldirs

mkinstalldirs --- make directory hierarchy
Author: Noah Friedman <friedman@prep.ai.mit.edu>
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pmap.c - print process memory mapping
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line - read one line


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uuidparse.c --- Interpret uuid encoded information. This program violates the UUID abstraction barrier by reaching into the guts of a UUID.

Based on libuuid/src/uuid_time.c
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From Simon Josefsson
-- derivated from coreutils m4/warnings.m4

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setpwnam.c -- edit an entry in a password database.

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Edited 11/10/96 (DD/MM/YY ;-) by Nicolai Langfeldt (janl@math.uio.no) to read /etc/passwd directly so that passwd, chsh and chfn can work on machines that run NIS (previously YP). Changes will not be made to usernames starting with +.

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Usage:
1) get a struct passwd from getpwnam().
You should assume a struct passwd has an infinite number of fields, so
you should not try to create one from scratch.
2) edit the fields you want to edit.
3) call setpwnam() with the edited struct passwd.

A normal user program should never directly manipulate etc/passwd but
use getpwnam() and (family, as well as) setpwnam().

But, setpwnam was made to edit the password file. For use by chfn,
chsh and passwd. I HAVE to read and write /etc/passwd directly. Let
those who say nay be forever silent and think about how getpwnam (and
family) works on a machine running YP.

Added checks for failure of malloc() and removed error reporting to
stdout, this is a library function and should not print on the screen,
but return appropriate error codes.
27-Jan-97 - poe@daimi.aau.dk

Thanks to "two guys named Ian".

$Author: poer $
$Revision: 1.13 $
$Date: 1997/06/23 08:26:29 $

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Python bindings for the libmount library.
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Written by Ondrej Oprala and Karel Zak

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Bison implementation for Yacc-like parsers in C


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error.c -- Functions for handling errors.

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bash-4.4.tar.gz\bash-4.4.tar\bash-4.4\parser-built

A Bison parser, made by GNU Bison 3.0.4.

Bison interface for Yacc-like parsers in C


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coreutils-8.27.tar.xz/coreutils-8.27.tar/coreutils-8.27/lib/parse-datetime.c

/ Bison implementation for Yacc-like parsers in C


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(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function,
which is used to allocate space off the run-time stack so
that it is automatically reclaimed upon procedure exit,
was inspired by discussions with J. Q. Johnson of Cornell.
J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can
be defined when compiling for your specific system, for
improved efficiency; however, the defaults should be okay.
The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

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alloca.c -- allocate automatically reclaimed memory
(Mostly) portable public-domain implementation -- D A Gwyn

This implementation of the PWB library alloca function, which is used to allocate space off the run-time stack so that it is automatically reclaimed upon procedure exit, was inspired by discussions with J. Q. Johnson of Cornell. J.Otto Tennant <jot@cray.com> contributed the Cray support.

There are some preprocessor constants that can be defined when compiling for your specific system, for improved efficiency; however, the defaults should be okay.

The general concept of this implementation is to keep track of all alloca-allocated blocks, and reclaim any that are found to be deeper in the stack than the current invocation. This heuristic does not reclaim storage as soon as it becomes invalid, but it will do so eventually.

As a special case, alloca(0) reclaims storage without allocating any. It is a good idea to use alloca(0) in your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/

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DRBG: Deterministic Random Bits Generator
Based on NIST Recommended DRBG from NIST SP800-90A with the following properties:
CTR DRBG with DF with AES-128, AES-192, AES-256 cores
Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
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estream.c - Extended Stream I/O Library

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Test Socket Type

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Version 3, 29 June 2007

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.
Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.
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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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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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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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Version 2.1, February 1999

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[This 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.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
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This license, the Lesser General Public License, applies to some
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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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it in new free programs; and that you are informed that you can do
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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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this Lesser General Public License (also called "this License").
Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
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"Source code" for a work means the preferred form of the work for
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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.

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------------- SECTION 21: SIL Open Font License, V1.1 -------------

SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

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LPPL Version 1.3c 2008-05-04

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================================
Portions of the client are based on code at:
https://github.com/google/go-github/

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---
layout: api
page_title: License - Operator - HTTP API
sidebar_current: api-operator-license
description: |

The /operator/license endpoints allow for setting and retrieving the Consul Enterprise License.

---

# License - Operator HTTP API

--> **Enterprise Only!** This API endpoint and functionality only exists in Consul Enterprise. This is not present in the open source version of Consul.

The licensing functionality described here is available only in
## Getting the Consul License

This endpoint gets information about the current license.

```
<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GET</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>
```

The table below shows this endpoint's support for blocking queries, consistency modes, agent caching, and required ACLs.

```
<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>all</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
</tr>
</tbody>
</table>
```

#### Parameters

- `-dc` `(string: "")` - Specifies the datacenter whose license should be retrieved. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

#### Sample Request

```
```
text
$ curl  
   http://127.0.0.1:8500/v1/operator/license  
```

#### Sample Response

```
```
json

```json
{
   "Valid": true,
   "License": {
      "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
      "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
      "installation_id": "*",
      "issue_time": "2018-05-21T20:03:35.911567355Z",
      "start_time": "2018-05-21T04:00:00Z",
      "expiration_time": "2019-05-22T03:59:59.999Z",
      "product": "consul",
      "flags": {
         "package": "premium"
      }
   }
}```
## Updating the Consul License

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

<table>
<thead>
<tr>
<th>Method</th>
<th>Path</th>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>PUT</code></td>
<td><code>/operator/license</code></td>
<td><code>application/json</code></td>
</tr>
</tbody>
</table>

The table below shows this endpoint's support for [blocking queries](/api/features/blocking.html), [consistency modes](/api/features/consistency.html), [agent caching](/api/features/caching.html), and [required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
<th>Blocking Queries</th>
<th>Consistency Modes</th>
<th>Agent Caching</th>
<th>ACL Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>NO</code></td>
<td><code>none</code></td>
<td><code>none</code></td>
<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Payload

The payload is the raw license blob.

### Sample Request

```
$ curl \
```
```bash
--request PUT \
--data @consul.license \
http://127.0.0.1:8500/v1/operator/license
```
[required ACLs](/api/index.html#authentication).

<table>
<thead>
<tr>
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<th>Consistency Modes</th>
<th>Agent Caching</th>
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<td><code>none</code></td>
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<td><code>operator:write</code></td>
</tr>
</tbody>
</table>

### Parameters

- `dc` (string: `""`) - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request. This is specified as a URL query parameter.

### Sample Request

```text
$ curl
   --request DELETE
   http://127.0.0.1:8500/v1/operator/license
```

### Sample Response

```json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product": "consul",
    "flags": {
      "package": "premium"
    },
    "features": [
      "Automated Backups",
      "Automated Upgrades",
      "Enhanced Read Scalability",
      "Network Segments",
      "Redundancy Zone",
      "Advanced Network Federation"
    ],
    "temporary": false
  }
}
```
procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package datatypes

// no documentation yet
type Legal_RegulatedWorkload struct {
    Entity
}
// no documentation yet
Account *Account `json:"account,omitempty" xmlrpc:"account,omitempty"

// no documentation yet
AccountId *int `json:"accountId,omitempty" xmlrpc:"accountId,omitempty"

// no documentation yet
EnabledFlag *bool `json:"enabledFlag,omitempty" xmlrpc:"enabledFlag,omitempty"

// no documentation yet
Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

// no documentation yet
Type *Legal_RegulatedWorkload_Type `json:"type,omitempty" xmlrpc:"type,omitempty"

// no documentation yet
WorkloadTypeId *int `json:"workloadTypeId,omitempty" xmlrpc:"workloadTypeId,omitempty"
}

type Legal_RegulatedWorkload_Type struct {
  Entity

  // no documentation yet
  Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

  // no documentation yet
  KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

  // no documentation yet
  Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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1.2986 testify v1.6.1

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1.2988 x-net v0.0.0-20210525063256-abc453219eb5
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1.2989 tdb 1.4.3

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 Python interface to tdb.

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1.2990 mattn-go-isatty v0.0.12

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1.2991 humanize-ms 1.2.1

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1.2992 paquet 0.2.1

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--- !ruby/object:Gem::Specification
name: paquet
version: !ruby/object:Gem::Version
  version: 0.2.1
platform: ruby
authors:
  - Elastic
autorequire:
bindir: exe
cert_chain: []
dependencies:
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
    requirements:
    - - ">="
    - !ruby/object:Gem::Version
      version: '0'
name: rspec
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
  requirements:
    - - ">="
    - !ruby/object:Gem::Version
      version: '0'
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
    requirements:
    - - ">="
    - !ruby/object:Gem::Version
      version: '0'
name: pry
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
  requirements:
    - - ">="
    - !ruby/object:Gem::Version
      version: '0'
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
    requirements:
    - - "~>
    - !ruby/object:Gem::Version
      version: 2.2.0
name: webmock
prerelease: false
type: :development
version_requirements: !ruby/object:Gem::Requirement
  requirements:
    - - "~>
    - !ruby/object:Gem::Version
      version: 2.2.0
- !ruby/object:Gem::Dependency
  requirement: !ruby/object:Gem::Requirement
    requirements:
    - - ">="
description: This gem adds a few rake tasks to create a uber gem that will be shipped as a zip
email: info@elastic.co
executables: []
failed: []
extra_rdoc_files: []
files:
  - ./lib/paquet.rb
  - ./lib/paquet/dependency.rb
  - ./lib/paquet/gem.rb
  - ./lib/paquet/rspec/tasks.rb
  - ./lib/paquet/shell_ui.rb
  - ./lib/paquet/utils.rb
  - ./lib/paquet/version.rb
homepage: https://github.com/elastic/logstash
licenses:
  - Apache License (2.0)
metadata: {}
post_install_message: 
require_paths:
  - lib
required_ruby_version: !ruby/object:Gem::Requirement
requirements:
  - ">="
  - !ruby/object:Gem::Version
    version: '0'
required_rubygems_version: !ruby/object:Gem::Requirement
requirements:
  - ">="
  - !ruby/object:Gem::Version
    version: '0'
requirements: []
rubyforge_project: 
rubygems_version: 2.4.8
signing_key: 
specification_version: 4
summary: Rake helpers to create a uber gem
1.2993 libyaml 0.1.4 11.el7_0

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1.2994 logstash-filter-grok 4.2.0

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1.2995 lodash._bindcallback 3.0.1
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1.2996 urllib3 1.26.5

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>  
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>  
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>  
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>  
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>  
  * Code review, PEP8 compliance, benchmark fix
* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <https://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravelosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <https://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL
* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <https://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <https://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <dдрiddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Thea Flowers <magicalgirl@google.com>
  * App Engine environment tests.
  * Documentation re-write.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
* Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jess Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in ``stream`` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist
* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forceclist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vending

* Wolfgang Richter <wolfgang.richter@gmail.com>
  * Bugfix related to loading full certificate chains with PyOpenSSL backend.

* Mike Miller <github@mikeage.net>
  * Logging improvements to include the HTTP(S) port when opening a new connection

* Ioannis Tziakos <mail@itziakos.gr>
  * Fix `util.selectors._fileobj_to_fd` to accept `long`.
  * Update appveyor tox setup to use the 64bit python.

* Akamai (through Jess Shapiro) <jshapiro@akamai.com>
  * Ongoing maintenance; 2017-2018

* Dominique Leuenberger <dimstar@opensuse.org>
  * Minor fixes in the test suite

* Will Bond <will@wbond.net>
  * Add Python 2.6 support to `contrib.securetransport`

* Aleksei Alekseev <alekseev.yeskela@gmail.com>
  * using auth info for socks proxy

* Chris Wilcox <git@crwilcox.com>
  * Improve contribution guide
  * Add `HTTPResponse.geturl` method to provide `urllib2.urlopen().geturl()` behavior

* Bruce Merry <https://www.brucemerry.org.za>
  * Fix leaking exceptions when system calls are interrupted with zero timeout

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6
* Tim Bell <https://github.com/timb07>
* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
* Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
* Remove Authorization header regardless of case when redirecting to cross-site

* James Meickle <https://permadeath.com/>
* Improve handling of Retry-After header

* Chris Jerdonek <chris.jerdonek@gmail.com>
* Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

* Jorge Lopez Silva <https://github.com/jalopezsilva>
* Added support for forwarding requests through HTTPS proxies.

* Benno Rice <benno@jeamland.net>
* Allow cadata parameter to be passed to underlying `SSLContext.load_verify_locations()`.

* Keichi Kobayashi <abok.1k@gmail.com>
* Rename VerifiedHTTPSConnection to HTTPSConnection

* Himanshu Garg <garg_himanshu@outlook.com>
* DOC & LICENSE Update

* Hod Bin Noon <bin.noon.hod@gmail.com>
* Test improvements

* Chris Olufson <tycarac@gmail.com>
* Fix for connection not being released on HTTP redirect and response not preloaded

* [Bastiaan Bakker] <https://github.com/bastiaanb>
* Support for logging session keys via environment variable `SSLKEYLOGFILE` (Python 3.8+)

* [Ezzeri Esa] <https://github.com/savarin>
* Ports and extends on types from typedsh

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]

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Paul Borman <borman@google.com>

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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, deestation, 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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java/lang/Objectjava/security/acl/Permission()Ljava/lang/String;equals(Ljava/lang/Object;)ZtoString

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newPermissionCollection(Ljava/lang/String;)Ljava/security/PermissionCollection;
getName(Ljava/lang/Object;)Z
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</product>
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*/

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```

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1.3006 lm-sensors 3.5.0-3

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.
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1.3008 scowl 7.1 1

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Alan Beale <biljir@pobox.com> also deserves special credit as he has,
in addition to providing the 12Dicts package and being a major
contributor to the ENABLE word list, given me an incredible amount of
feedback and created a number of special lists (those found in the
Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to
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Date: Sat, 08 Jul 2000 20:27:21 +0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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Date: Tue, 11 Jul 2000 19:31:34 +0100

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1.3009 coderay 1.1.3

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1.3016 logback-core 1.2.3

1.3016.1 Available under license:

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1.3017 json 1.8.6

1.3017.1 Available under license:

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/* Portions of the Selector class are derived from Jack Slocum’s DomQuery, * part of YUI-Ext version 0.40, distributed under the terms of an MIT-style * license. Please see http://www.yui-ext.com/ for more information. */

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2017-01-13 (1.8.6)
* Be compatible with ancient ruby 1.8 (maybe?)
2015-09-11 (1.8.5)
* Be compatible with ruby 2.4.0
* There were still some mentions of dual GPL licensing in the source, but JSON has just the Ruby license that itself includes an explicit dual-licensing
clause that allows covered software to be distributed under the terms of the Simplified BSD License instead for all ruby versions >= 1.9.3. This is however a GPL compatible license according to the Free Software Foundation. I changed these mentions to be consistent with the Ruby license setting in the gemspec files which were already correct now.

---------- (1.8.4) Skipped.

2015-06-01 (1.8.3)
* Fix potential memory leak, thx to nobu.

2015-01-08 (1.8.2)
* Some performance improvements by Vipul A M <vipulnsward@gmail.com>.
* Fix by Jason R. Clark <jclark@newrelic.com> to avoid mutation of JSON.dump_default_options.
* More tests by Michael Mac-Vicar <mmacvicar@gmail.com> and fixing space_before accessor in generator.
* Performance on JRuby improved by Ben Browning <bbrownin@redhat.com>.
* Some fixes to be compatible with the new Ruby 2.2 by Zachary Scott <e@zzak.io> and SHIBATA Hiroshi <hsbt@ruby-lang.org>.

2013-05-13 (1.8.1)
* Remove Rubinius exception since transcoding should be working now.

2013-05-13 (1.8.0)
* Fix https://github.com/flori/json/issues/162 reported by Marc-André Lafortune <github_rocks@marc-andre.ca>. Thanks!
* Applied patches by Yui NARUSE <naruse@airemix.jp> to suppress warning with -Wchar-subscripts and better validate UTF-8 strings.
* Applied patch by ginriki@github to remove unnecessary if.
* Add load/dump interface to JSON::GenericObject to make serialize :some_attribute, JSON::GenericObject work in Rails active models for convenient SomeModel#some_attribute.foo.bar access to serialised JSON data.

2013-02-04 (1.7.7)
* Security fix for JSON create_additions default value and JSON::GenericObject. It should not be possible to create additions unless explicitly requested by setting the create_additions argument to true or using the JSON.load/dump interface. If JSON::GenericObject is supposed to be automatically deserialised, this has to be explicitly enabled by setting
  JSON::GenericObject.json_creatable = true
as well.
* Remove useless assert in fbuffer implementation.
* Apply patch attached to https://github.com/flori/json/issues#issue/155 provided by John Shahid <jvshahid@gmail.com>, Thx!
* Add license information to rubygems spec data, reported by Jordi Massaguer Pla <jmassaguerpla@suse.de>.
* Improve documentation, thx to Zachary Scott <zachary@zacharyscott.net>.

2012-11-29 (1.7.6)
* Add GeneratorState#merge alias for JRuby, fix state accessor methods. Thx to jvshahid@github.
* Increase hash likeness of state objects.

2012-08-17 (1.7.5)
* Fix compilation of extension on older rubies.
2012-07-26 (1.7.4)
* Fix compilation problem on AIX, see https://github.com/flori/json/issues/142
2012-05-12 (1.7.3)
* Work around Rubinius encoding issues using iconv for conversion instead.
2012-05-11 (1.7.2)
* Fix some encoding issues, that cause problems for the pure and the
  extension variant in jruby 1.9 mode.
2012-04-28 (1.7.1)
* Some small fixes for building
2012-04-28 (1.7.0)
* Add JSON::GenericObject for method access to objects transmitted via JSON.
2012-04-27 (1.6.7)
* Fix possible crash when trying to parse nil value.
2012-02-11 (1.6.6)
* Propagate src encoding to values made from it (fixes 1.9 mode converting
  everything to ascii-8bit; harmless for 1.8 mode too) (Thomas E. Enebo
  <tom.enebo@gmail.com>), should fix
* Fix https://github.com/flori/json/issues#issue/117
2012-01-15 (1.6.5)
* Vit Ondruch <v.ondruch@tiscali.cz> reported a bug that shows up when using
  optimisation under GCC 4.7. Thx to him, Bohuslav Kabrda
  <bkarbda@redhat.com> and Yui NARUSE <naruse@airemix.jp> for debugging and
  developing a patch fix.
2011-12-24 (1.6.4)
* Patches that improve speed on JRuby contributed by Charles Oliver Nutter
  <headius@headius.com>.
* Support object_class/array_class with duck typed hash/array.
2011-12-01 (1.6.3)
* Let JSON.load("") return nil as well to make mysql text columns (default to
  ") work better for serialization.
2011-11-21 (1.6.2)
* Add support for OpenStruct and BigDecimal.
* Fix bug when parsing nil in quirks_mode.
* Make JSON.dump and JSON.load methods better cooperate with Rails' serialize
  method. Just use: serialize :value, JSON
* Fix bug with time serialization concerning nanoseconds. Thanks for the
  patch go to Josh Partlow (jpartlow@github).
* Improve parsing speed for JSON numbers (integers and floats) in a similar way to
  what Evan Phoenix <evan@phx.io> suggested in:
  https://github.com/flori/json/pull/103
2011-09-18 (1.6.1)
* Using -target 1.5 to force Java bits to compile with 1.5.
2011-09-12 (1.6.0)
* Extract utilities (prettifier and GUI-editor) in its own gem json-utils.
* Split json/add/core into different files for classes to be serialised.
2011-08-31 (1.5.4)
* Fix memory leak when used from multiple JRuby. (Patch by jfirebaugh@github).
* Apply patch by Eric Wong <nocode@yhbt.net> that fixes garbage collection problem reported in https://github.com/flori/json/issues/46.
* Add :quirks_mode option to parser and generator.
* Add support for Rational and Complex number additions via json/add/complex and json/add/rational requires.

2011-06-20 (1.5.3)
* Alias State#configure method as State#merge to increase duck type synonymy with Hash.
* Add as_json methods in json/add/core, so rails can create its json objects the new way.

2011-05-11 (1.5.2)
* Apply documentation patch by Cory Monty <cory.monty@gmail.com>.
* Add gemspecs for json and json_pure.
* Fix bug in jruby pretty printing.
* Fix bug in object_class and array_class when inheriting from Hash or Array.

2011-01-24 (1.5.1)
* Made rake-compiler build a fat binary gem. This should fix issue https://github.com/flori/json/issues/issue/54.

2011-01-22 (1.5.0)
* Included Java source codes for the Jruby extension made by Daniel Luz <dev@mernen.com>.
* Output full exception message of deep_const_get to aid debugging.
* Fixed an issue with ruby 1.9 Module#const_defined? method, that was reported by Riley Goodside.

2010-08-09 (1.4.6)
* Fixed oversight reported in http://github.com/flori/json/issues/closed#issue/23, always create a new object from the state prototype.
* Made pure and ext api more similar again.

2010-08-07 (1.4.5)
* Manage data structure nesting depth in state object during generation. This should reduce problems with to_json method definitions that only have one argument.
* Some fixes in the state objects and additional tests.

2010-08-06 (1.4.4)

2010-05-05 (1.4.3)
* Fixed some test assertions, from Ruby r27587 and r27590, patch by nobu.
* Fixed issue http://github.com/flori/json/issues/#issue/20 reported by electronicwhisper@github. Thx!

2010-04-26 (1.4.2)
* Applied patch from naruse Yui NARUSE <naruse@airemix.com> to make building with Microsoft Visual C possible again.
* Applied patch from devrandom <c1.github@niftybox.net> in order to allow building of json_pure if extensiontask is not present.
* Thanks to Dustin Schneider <dustin@stocktwits.com>, who reported a memory leak, which is fixed in this release.

* Applied 993f261ccb8f911d2ae57e9db48ec7acd0187283 patch from josh@github.

2010-04-25 (1.4.1)

* Fix for a bug reported by Dan DeLeo <dan@kallistec.com>, caused by T_FIXNUM being different on 32bit/64bit architectures.

2010-04-23 (1.4.0)

* Major speed improvements and building with simplified directory/file-structure.

* Extension should at least be compatible with MRI, YARV and Rubinius.

2010-04-07 (1.2.4)

* Triger const_missing callback to make Rails' dynamic class loading work.

2010-03-11 (1.2.3)

* Added a State#[] method which returns an attribute's value in order to increase duck type compatibility to Hash.

2010-02-27 (1.2.2)

* Made some changes to make the building of the parser/generator compatible to Rubinius.

2009-11-25 (1.2.1)

* Added :symbolize_names option to Parser, which returns symbols instead of strings in object names/keys.

2009-10-01 (1.2.0)

* fast_generate now raises an exception for nan and infinite floats.

* On Ruby 1.8 json supports parsing of UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, and UTF-32LE JSON documents now. Under Ruby 1.9 the M17n conversion functions are used to convert from all supported encodings. ASCII-8BIT encoded strings are handled like all strings under Ruby 1.8 were.

* Better documentation

2009-08-23 (1.1.9)

* Added forgotten main doc file extra_rdoc_files.

2009-08-23 (1.1.8)

* Applied a patch by OZAWA Sakuro <sakuro@2238club.org> to make json/pure work in environments that don't provide iconv.


* Finally got around to avoid the rather paranoid escaping of ?/ characters in the generator's output. The parsers arent affected by this change.

Thanks to Rich Apodaca <rapodaca@metamolecular.com> for the suggestion.

2009-06-29 (1.1.7)

* Security Fix for JSON::Pure::Parser. A specially designed string could cause catastrophic backtracking in one of the parser's regular expressions in earlier 1.1.x versions. JSON::Ext::Parser isn't affected by this issue.

Thanks to Bartosz Blimke <bartosz@new-bamboo.co.uk> for reporting this problem.

* This release also uses a less strict ruby version requirement for the creation of the mswin32 native gem.

2009-05-10 (1.1.6)

* No changes. tested native linux gems in the last release and they don't
play well with different ruby versions other than the one the gem was built with. This release is just to bump the version number in order to skip the native gem on rubyforge.

2009-05-10 (1.1.5)
* Started to build gems with rake-compiler gem.
* Applied patch object/array class patch from Brian Candler <B.Candler@pobox.com> and fixes.

2009-04-01 (1.1.4)
* Fixed a bug in the creation of serialized generic rails objects reported by Friedrich Graeter <graeter@hydrixos.org>.
* Deleted tests/runner.rb, we're using testrb instead.
* Editor supports Infinity in numbers now.
* Made some changes in order to get the library to compile/run under Ruby 1.9.
* Improved speed of the code path for the fast_generate method in the pure variant.

2008-07-10 (1.1.3)
* Wesley Beary <monki@geemus.com> reported a bug in json/add/core's DateTime handling: If the nominator and denominator of the offset were divisible by each other Ruby's Rational#to_s returns them as an integer not a fraction with '/'. This caused a ZeroDivisionError during parsing.
* Use Date#start and DateTime#start instead of sg method, while remaining backwards compatible.
* Supports ragel >= 6.0 now.
* Corrected some tests.
* Some minor changes.

2007-11-27 (1.1.2)
* Remember default dir (last used directory) in editor.
* JSON::Editor.edit method added, the editor can now receive json texts from the clipboard via C-v.
* Load json texts from an URL pasted via middle button press.
* Added :create_additions option to Parser. This makes it possible to disable the creation of additions by force, in order to treat json texts as data while having additions loaded.
* Jacob Maine <jmaine@blurb.com> reported, that JSON(:foo) outputs a JSON object if the rails addition is enabled, which is wrong. It now outputs a JSON string "foo" instead, like suggested by Jacob Maine.
* Discovered a bug in the Ruby Bugs Tracker on rubyforge, that was reported by John Evans lgastako@gmail.com. He could produce a crash in the JSON generator by returning something other than a String instance from a to_json method. I now guard against this by doing a rather crude type check, which raises an exception instead of crashing.

2007-07-06 (1.1.1)
* Yui NARUSE <naruse@airemix.com> sent some patches to fix tests for Ruby 1.9. I applied them and adapted some of them a bit to run both on 1.8 and 1.9.
* Introduced a JSON.parse! method without depth checking for people who like danger.
* Made generate and pretty_generate methods configurable by an options hash.
* Added :allow_nan option to parser and generator in order to handle NaN, Infinity, and -Infinity correctly - if requested. Floats, which aren't numbers, aren't valid JSON according to RFC4627, so by default an exception will be raised if any of these symbols are encountered. Thanks to Andrea Censi <andrea.censi@dis.uniroma1.it> for his hint about this.
* Fixed some more tests for Ruby 1.9.
* Implemented dump/load interface of Marshal as suggested in ruby-core:11405 by murphy <murphy@rubychan.de>.
* Implemented the max_nesting feature for generate methods, too.
* Added some implementations for ruby core's custom objects for serialisation/deserialisation purposes.

2007-05-21 (1.1.0)
* Implemented max_nesting feature for parser to avoid stack overflows for data from untrusted sources. If you trust the source, you can disable it with the option max_nesting => false.
* Piers Cawley <pdcawley@bofh.org.uk> reported a bug, that not every character can be escaped by `?\` as required by RFC4627. There's a contradiction between David Crockford's JSON checker test vectors (in tests/fixtures) and RFC4627, though. I decided to stick to the RFC, because the JSON checker seems to be a bit older than the RFC.
* Extended license to Ruby License, which includes the GPL.
* Added keyboard shortcuts, and 'Open location' menu item to edit_json.rb.

2007-05-09 (1.0.4)
* Applied a patch from Yui NARUSE <naruse@airemix.com> to make JSON compile under Ruby 1.9. Thank you very much for mailing it to me!
* Made binary variants of JSON fail early, instead of falling back to the pure version. This should avoid overshadowing of eventual problems while loading the binary.

2007-03-24 (1.0.3)
* Improved performance of pure variant a bit.
* The ext variant of this release supports the mswin32 platform. Ugh!

2007-03-24 (1.0.2)
* Ext Parser didn't parse 0e0 correctly into 0.0: Fixed!

2007-03-24 (1.0.1)
* Forgot some object files in the build dir. I really like that - not!

2007-03-24 (1.0.0)
* Added C implementations for the JSON generator and a ragel based JSON parser in C.
* Much more tests, especially fixtures from json.org.
* Further improved conformance to RFC4627.

2007-02-09 (0.4.3)
* Conform more to RFC4627 for JSON: This means JSON strings now always must contain exactly one object "{ ... }", or array "[ ... ]" in order to be parsed without raising an exception. The definition of what constitutes a whitespace is narrower in JSON than in Ruby ("\t\r\n"), and there are differences in floats and integers (no octals or hexadecimals) as well.
* Added aliases generate and pretty_generate of unparse and pretty_unparse.
* Fixed a test case.
* Catch an Iconv::InvalidEncoding exception, that seems to occur on some Sun boxes with SunOS 5.8, if iconv doesn't support utf16 conversions. This was reported by Andrew R Jackson <andrewj@bcm.tmc.edu>, thanks a bunch!

2006-08-25 (0.4.2)
* Fixed a bug in handling solidi (//-characters), that was reported by Kevin Gilpin <kevin.gilpin@alum.mit.edu>.

2006-02-06 (0.4.1)
* Fixed a bug related to escaping with backslashes. Thanks for the report go to Florian Munz <surf@theflow.de>.

2005-09-23 (0.4.0)
* Initial Rubyforge Version

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/CHANGES
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/StringDecoder.java
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* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cfd8-tar-gz/flori-json-7f4cfd8/java/src/json/ext/Utils.java
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 */

Found in path(s):
* /opt/cola/permits/1155786218_1619044692.05/0/flori-json-v1-8-6-0-g7f4cf8d8-tar-gz/flori-json-
7f4cf8d8/java/src/json/ext/GeneratorService.java

1.3018 python-defaults 3.7.3-1

1.3018.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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------------------------------------------------------------------
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.3033 cyclist 0.2.2
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ClassFilePrinter.java
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1.3036 cachecontrol 0.11.7

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1.3047 zap v1.13.0

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1.3048 x-text v0.3.5

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1.3049 python-consul2 0.1.5

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1.3050 stream-shift 1.0.0

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1.3051 jackson-annotations 2.9.10

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1. default platform release
2. `java` platform release
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---------------------------------------------------------------------------

pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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mgo - MongoDB driver for Go

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package spec

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//
// For more information: http://goo.gl/8us55a#licenseObject
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    Name string `json:"name,omitempty"
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- Copy files to and from Containers in a cluster

---

# Copying Container Files

## Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

Copy requires that *tar* be installed in the container image.

```
# Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `<path>`
- Remote file format is `<pod-name>:/<path>`

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

---

## Remote to Local

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---
Copy a remote file from a Pod to a local file.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```

## Specify the Container

Specify the Container within a Pod running multiple containers.

- `-c <container-name>`

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `<namespace>/`.

- `<pod-namespace>/<pod-name>:<path>`

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
Dwayne Schultz <dshultz@pivotal.io>
Georg Apitz <gapitz@pivotal.io>
Gustav Paul <gustav.paul@gmail.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Laurent <laurent@adyoulike.com>
Patrick Lee <patrick@dropbox.com>
Peter Edge <peter.edge@gmail.com>
Roger Johansson <rogeralsing@gmail.com>
Sam Nguyen <sam.nguyen@sendgrid.com>
Sergio Arbeo <serabe@gmail.com>
Stephen J Day <stephen.day@docker.com>
Tamir Duberstein <tamird@gmail.com>
Todd Eisenberger <teisenberger@dropbox.com>
Tormod Erevik Lea <tormodlea@gmail.com>
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1.3079 google-api-go-client v0.15.1

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Andrew Gerrand <adg@golang.org>
Brad Fitzpatrick <bradfitz@golang.org>
Eric Koleda <ekoleda+devrel@googlers.com>
Francesc Campoy <campoy@golang.org>
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package api

import (  
  "bytes"
  "io/ioutil"
  "os"
  "path/filepath"
  "regexp"
  "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(\\)\*( All rights reserved\.)*  
  (//|#) Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.  
)  

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
"tools.go": true, // This file requires another comment above the license.
"internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
"internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
  err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
    if skip[path] {
      return nil
    }
    if err != nil {
      return err
    }
    if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
      return nil
    }
    src, err := ioutil.ReadFile(path)
    if err != nil {
      return nil
    }
    // Verify that the license is matched.
    if !sentinel.Match(src) {
      t.Errorf("%v: license header not present", path)
      return nil
    }
    // Also check it is at the top of .go files (but not .sh files, because they must have a shebang first).
    if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
      t.Errorf("%v: license header not at the top", path)
    }
  })
  if err != nil {
    t.Fatal(err)
  }
}

1.3080 groff 1.22.2 8.el7
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Source Files
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. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec
  <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

The complete snprintf package together with documentation is available from

  http://www.ijs.si/software/snprintf/ .

. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com>
  and David Slattengren <slatteng@Xinet.COM>. These files have been part
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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
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/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

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
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@@ -26,6 +26,7 @@
    package build.tools.cldrconverter;
    import java.util.Calendar;
    +import java.util.Date;
    import java.util.GregorianCalendar;
    import java.util.Locale;
    import java.util.TimeZone;
@@ -150,8 +151,14 @@
    private static int getYear() {
       -return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
       -Locale.US).get(Calendar.YEAR);
       +Date date = new Date();
       +if (System.getenv("SOURCE_DATE_EPOCH") != null) {
       +    date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
       +}
       +GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
       +calendar.setTime(date);
       +return calendar.get(Calendar.YEAR);
    }

   // no instantiation
--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -33,9 +33,13 @@
    import java.time.ZonedDateTime;
    import java.time.ZoneId;
    @ @ -33.9 +33.13 @ @
    import java.time.ZonedDateTime;
```

Open Source Used In MSX Platform Infrastructure 4.0.0 35934
import java.util.ArrayList;
+import java.util.Calendar;
+import java.util.Date;
+import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.Map;
+import java.util.TimeZone;
import java.util.TreeMap;

/**
 @@ -225,8 +229,15 @@
     }"
     
     private static String getOpenJDKCopyright() {
-        int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
+        Date date = new Date();
+        if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+        }
+        
+        GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+        calendar.setTime(date);
+        
+        int year = calendar.get(Calendar.YEAR);
+        return String.format(Locale.US, COPYRIGHT, year);
     }

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